STORM DATA



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NATIONAL CLIMATIC CENTER

AUGUST 1977 NO. OF PERSONS ESTIMATED! DAMAGE NO. OF PERSONS ESTIMATED! DAMAGE PATH TIME - LOCAL STANDARD FIME - LOCAL STANDARD WIDTH OF PATH (YARDS) WIDTH OF PAT (YARDS) CHARACTER CHARACTER LENGTH OF (MILES) LENGTH OF (MILES) PLACE PLACE PROPERTY PROPERTY STORM STORM NJURED NJURED KILLED KILLED CROPS CROPS DATE ALABAMA ARIZONA (continued) Camp Verde, 23 1-3:00 p ٥ 0 5 0 Flooding Mobile County 12.20p ٥ 0 ٥ n Waterspout meany thunderstorm with intense rainfall of over two inches in forty-five minutes produced flash filoding in the area. Several highway bridges were washed out and isphways dambaed by wash-outs, rock and mud slides. Several hindred persons were isolated in one section and hundreds of motorists temporarily stranded on I 17 by a mud slide. Many bouses were flooded. A waterspout was visible near the eastern Daughin Island is located 25 miles sputh Mobile. 0 n Jackson County 0 Lightning Lightning struck a barn near Section destroyed the building. Section is of Huntsville Mobile County 10.00a 0 Ω 0 Waterspouts ARKANSAS waterspouts were report ng a 60 minute period. Murfreesboro Pike County uth of Mobile Bay 3:15 a. 0 1 Lightning dur: tning struck a metal vent : slightly injured by falling Lig leading into a house. A woman inside ed by the lightning bolt 16 4.00p 0 0 Windstorm Tuscaloosa County 3 0 erstorm blew 20 trees and destroyed Stuttgart -Arkansas County 0 n ٥ late glass windows in ity Heavy thunderstorms moving east-southeastward produced strong wind and hail up to one inch in diameter. Several buildings sustained major wind damage. Damage estimated at over 40 thousand dollars. 0 0 0 0 26 10.05a Waterspout Mobile County A waterspout was reported by the Petit Bois Island. Petit Bois southwest of mobile Co t Guard fust south of Island is located 40 miles Magnolia -5 6:10 a. 1 ۸ n Lightning Columbia County 26 Lightning Tallapoosa County 0 0 sparked inside. by lightning illed a 19 year old and A woman was struck and killed by lightning on the porch of her home in Dadeville. Dadeville is 55 miles south of Anniston. 10 1:35 p. Gravel Ridge -0 0 0 0 Hail Pulaski County -half to threequarter inch hail. ALASKA Mountain Home -1:20 p. 4 Kenai Peninsula 4-22 5 Flooding Baxter County Heavy snowfall during the 1976-77 winter - with record accumulations in the mountains of the Kenhi Peninsula - started the 1977 summer out with a record snowpack in the mountains of sduthcentral Alaska. Anchorage had a record warm August was missually warm in southcentral Alaska; Anchorage had a record warm August. Snowpelt was heavy and the Kenai River had record high stages and discharge for the month. The Kenai River at Cooper Landing was above flood stage from June 18 through August 27 and at Soldarma the river was above flood stage from August 4 - 22. Damage to traillers and cabins along the river was done when the river crested in the third week of the month. Thunderstorms moving eastward to clocked up to 90 miles an hour. sustained damage. rough the county produced winds Several buildings in town CALIFORNIA NORTHERN & CENTRAL NONE REPORTED CALIFORNIA SOUTHERN ARIZONA Imperial County 17 6 Tropical Storm Dorest dummed 4.5 incres of rain within several hours. Flooded 300 hodes, started fires, eroded and undermined streets and highways, temporarily contaminated drinking water, caused utility outgages and roke the Imperial Frigation Districts 3,100 miles network of canals and ditches in numerous places. Caused 9 million in crop damages and 4 million in property damage. (Borrego Springs and Salton Sea Area) Buckeye, Maricopa County 0 Wind A violent wind and rain storm hit a rrop dusting airport five miles to the east and destroyed one ircraft and heavily damaged another. The hangar roof was partially repoved and one mobile home damaged. Total damage estimated at \$8,000 Wenden and Salome. High winds hit these neighboring communities and damaged ten mobile homes and ten to fifteen houses. Steel girders at the gymnasium under construction were blown down, as well as billboards and trees. Several mobile homes were completely demplished. One man received head injuries while inside of his mobile home when it was rolled over. Two persons were cut by flying glass. Total damage estimated at \$100,000. 4.25FDT Heavy rain caused flash flooding along sections of HIWAY 395 from Lone Pine to Inyo County line. Invo County 17 Evening Route 127 in Death Valley from Nevade State Line to San Bernardino County Line was closed due to high water. 17 0 Tucson, Pima County Thunderstorm with winds up to 50 m.p.h. and heavy through the southwest side, demolished six mobile other structures and knocked over power lives. COLORADO Lamar (Prowers 1808 0 ? ? Wind, rain heavy rain and small hail. luma, luma County Wind measured 60 to 70 MPH with Tropical storm, Doren, with its toriential rains of two to seven inches brought extensive flooding to the area. Two bridges were destroyed and twenty-five to thirty miles of roads and streets damaged with total damage that a voer \$1,000,000 There was some flooding of houses and businesses. Strong winds did extensive roof damage to a school and power lines. Lightning caused numerous minor fires. Agriculture was also affected, especially cotton, with much acreage under ond to two feet of water. 0 0 0 Funnel cloud ground; lasted about 5 minutes. 05 1010 within 500 feet of Kelim (Weld County) 07 | 1700-1900 | 0 0 3 3 ? Wind gust measured to 52 MPH at fort Collins. Eastern Larimer and Weld Counties 08 | 1330 | 0 0 0 0 0 Funnel cloud Fundel cloud formed 2 miles southwest of Lloveland, lasted about 5 minutes, moved rapidly eastward; descended from cloud base 2500 feet to 1000 Feet above ground. Loveland (Larimer County) 0 Flooding Bullhead City 16-1 Tropical storm, Dorsen, with its torrential rains of two to four inches brought severe flash floeding to the city and surrounding area along the Colorado River. The area was devastated between the evening of the 16th and the morning of the 17th. A number of washes became raging torrents. There was severe damage to streets, highways, residences and businesses. Damage to homes and places of business was put at \$250,000. Some streets were gouged out to a depth of three to five feet and resembled small canyons. The hardest hit highway was the junction of 95 and 65 where raging waters tore up one-thousand pound chunks of pavehent and tossed them to the side in powerful surges. Several dies were heavily damaged. 0.2 50 0 08 1700 Northeast Pueblo Tornado Tornado wiped out a sorghum crop on farm. County 08 1700
Several crops were destroyed as hail accumulated up to 7 inches deep. Windows on north side of one house were broken out. One farmer said it was the worst storm He had seen in 60 years. Northeast Pueblo County

		13	PATH	🚅		OF		ATED†				÷	PATH			OF		ATED!]
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PA	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PA (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
COLORADO (con	tinu	ed)			<u> </u>	\ 				CONNECTICUT	(con	tinued)					<u> </u>	<u> </u>	
Douglas and Elbert Counties		Evening	bread	mud wa	0	0	4 hris	3 Iver Hi	Flooding ghway 85 near	Trumb u ll	14	3 AM			0	0	4	0	Lightning
COUNTRIES	Sed	ália and t	the hig	hway wa	s clo	sed ·	for 2	ours f	rom Sedalia to s were washed out.			large fire		ted fr	om an	earl	y morn	eng	
	0ne		swept	off th	ne roa				k, but the driver	Westport	17	, outeng a	, boac.		0	0	4		Lightning
Northern El Paso		1430	1.0	60	0	0	?	?	Tornado		i	rome was r	early	totall	y des	ľ		ightni	-
County	Tor	nado sight Reyton, mo	ted on	the gro	und t	y to	n Mar		miles northwest	Westerly		2:40 PM			0	1	0	0	Lightning
Parker (Douglas	10	1430			0	0	0	0	Funnel clouds			nan was hi			d by	eight	ning a	he	
County)	l	eral funne	el clou	ds obse	rved				1		.sp	ke on the	telep	none.	1	1			
Evans (Weld County)		1700 destroye	d a la	rge chi	cken	0 barn	3 4 mil	? s sout	Nind heast of Evans.		.								
Bennett (Adams County)	14	1445 of three	1.0	.60	0	0	0	?	Tornado	DELAWARE Yorklyn,	10	5:30 p	1	25					
county /	One	o, ciii ee	Lo, nac	pes sig)	Loge	ile.			New Castle County	1	_				0	3	0	Tornado nesrly \$700 damage
Bennett (Adams	14	1445	1.0	60	0	0	0	?	Tornado		to h	ouse and	ropert	y in a	dditi	.on to	uproc	ting a	60-foot walnut el was not seen,
County)			the pre	ceding	torna	do 4	miles	north	of Bennett.		but	witness r	ported	sound	1ike	a lo	comoti	ve as	el was not seen, storm passed over.
Bennett	Tor								Tornado an suffered a	Bridgeville (3W), Sussex County	31	Evening			0	0	3	0	Wind, Rain, Lightning
	hom	🛊, which w	vas des	troyed.	. A11	wind	dows w	re bro	utside his camper- ken out in a nearby	1	Stro	ng thunde:	storn	wind b	llev r	of c	off imp	ement	shed and section
	dow	mnouse wit n. Severa	th some	shingl cles we	les ri ere da	pped mage	off a	nd a 2- at, som	car garage knocked e rabbits and was driven into	·	of b	arn wall, ge to ste:	with r	ain fl	doùin	g ste	ble ar	ea. Li	shtning also caused
	sid	e or nouse	≥, Ап	ipb1le h	opme v	nas ov	yertur:	ed as	occupants took	1									
	dam	dge was do	ne to	half a	dozer	home	s and	severa	s destroyed. Some 1 agricultural	FLORIDA						ļ			
Colorado Springs		dings jus	L WEST	ormig	n	٥.	5	2	Hail	Duval County	1	10AM to 10:30 AM			0	0	0	0	Mataranauta
oor or ado apr mgs			inch	n diam	eter	damag			at airport.		Two	EST waterspout	e were	TAROT			1	1	Waterspouts
Colorado Springs		1400 htning str	uck on	e footb	0 all c	5 Taver	0 .	0 tunned	Lightning at least 4 others.	Brevard County	Į.	Afternoon		20	0	0	3	0	Tornado-waterspout
	ATT	survived.				-										1	ef1y		severe thunderstor f Mims then moved
Rio Blanco (Delta County)	Irr								Flash flood amaged with 4 acres	<u>, </u>	east of r	ward acros esidents,	s the	Indian ed in	Rive onne	t. T	he fun with	el, o idesp	served by hundreds read thunderstorm
		hay lost.		res of			'				day.	The torr	ado-wa	terspo	t to	uched	down	riefl	ond consecutive at the Oakwood
Colona (Montrose County)	18 300	1700-1800 acres of	and d	amaged	and 1	0 D acr	es of	hay lo	Flooding st to flooding.		seve	ral traile	rs, bl	owing	off a	wning	s and	estro	ees, damaging ing a few fences
Pueblo and Otero Counties)	18	1800-2200	dama	and by	0	0	3	3	Rain and wind wind and rain,		ed i	re moving n Titusvil L street i	le ald	ng wit	nea:	1y 3	inche	of r	ds also were repor in which caused
countres	wit	h wind gus Led with w	t 60 M	PH at P	ueblo	. Ur	derpas	ses ne	ar LaJunta were	Hillsborough County		Midnight	100011	g. no	ınju	les	were t	porte	
Wray (Yuma County)		1915	0.1	20	0	0	?	?	Tornado	,		EST			0	0	5	0	Lightning
•		orted by p				atrol					City	tning stru Center, a	retir	ement o	otmu	nity	east o	Rusk	ian Church in Sun
Denver		1700-1900 htning dam		t least	0 6 ha	nes i	4 in Auro	D ra, ea	Lightning st of Denver.		with	damage es	timate	d at m	re ti	han \$	100.00	. Ac	ording to the hurch in two place he damage was to
Greeley (Weld County	30	1515			0	0	3	0	Wind gust		the	coof and t	o the	interi	atr, al	lthou	th the	exter:	or was also burned
	Bri at l	ef windsto University	orm, wi	th some rthern	tree	s dan ado.	naged,	and wi	nd gust to 68 MPH		The chai	sanctuary s, pulpit	was a , pian	shamble o and o	es, a ergan	evi Th	denced ere we:	by but	med walls, ceiling njuries.
i				l						Duval County	4	2:45PM EST			0	0	0	0	Funnel aloft.
				ļ							A Eu		aloft	moving	nor	thwar	d at al		mph was reported
CONNECTICUT Longmeadow	1	4 PM			0	0	4	0	Lightning			mall hail						THEE	were also reports
_		ghtning ca	used s	evere a	lamag (to	home	and it		Okaloosa County	4	6:08PM CST			0	0	0	0	Waterspout
Pr. ()	co	ntents.		,								erspout mestin by t						repor	ted 2 miles south
Bridgeport Norwich	5	5 PM			0	0	3	0	Lightning, wind	Marion County	,	Unknown	.			١.			
	Li	ghtning st y in Norwi tvice repo	truck a	barn a	nd bu	rned	its s	ored		mai for councy	A 13	-vear-old	girl u	as inj	red i	by a	Lightn	ina et	Lightning rike while using ireka. The
	Se	evice repo il and sev	rted u	ind gus	ts to	69 1	IPH, I	4 inch			loner	iii s neba	rtment	repor	ffed ti	hat a	lho1t	hf lia	htning ottook a
	me	nt.			p	J. on	power	cyuu.p-			body	, TIUE	and t	ravete	care	AnRu	rue re	FETAGL	into the girl's
Prospect	5	5 PM			0	0		. 0	Lightning	Pinellas County	6	4:00PM EST			0	0	0	0	Funnel aloft.
ĭ	Li. da	ghtning hi mage to se	it a sh everal	opping stores.	cente	r ca	sing (xtensi	lve	0.15.0		nel cloud	aloft	was of		ed ne	ar Sem	nole.	
Thomaston	5	5 PM			0	0	4	0	Lightning	Gulf County	į l	11:00AM EST			0	0	0		Waterspout
Waterbury Wolcott	De	cribed as	very	severe,	the	ligh	ining i	isplay			A wa Sher	erspout d Lff near E	ver St lacks	. Jose: Island	h Bay and I	was ort	repor	ed by	the County
	an	ached down d trees.	ироп	o nomes	, sei	eral	power	unes		Monroe County	8	11:40AM			0	0	0	0	Waterspout
Middleton	5	6 PM			0	0	0	?	Hail		A wa	EST erspout w	as sigi	hted 3	miles	sou	h of I	ey We	it.
	80	,000 bushe d must be	es of	fruit w	ere p	ulve	ized l	y hail		Pasco County	8	12:30PM EST	ļ		0	0	0	0	Hail/heavy rain
	wi		men 9	- coppr	ا	suci	ro.				Hail.	tones on	e inch	in dia	meter	were	repor	ted 1	Anclote during a sured between
					1							PM and 2:							sured between

AUGUST 1977 NO. OF PERSONS ESTIMATED! DAMAGE NO. OF PERSON ESTIMATED[†]
DAMAGE TIME - LOCAL STANDARD WIDTH OF PATH (YARDS) WIDTH OF PATH (YARDS) CHARACTER CHARACTER LENGTH OF I LENGTH OF F PLACE PLACE PROPERTY INJURED STORM STORM KILLED KILLED CROPS CROPS DATE FLORIDA (continued) FLORIDA (continued) Safety Harbor, Pinellas County 2:30PM 0 0 0 0 Wind Okaloosa County 20 11:30AM 0 5 0 0 Lightning/severe EST A wind gust estimated No damage or injuries ng a thunderstorm at 70 mph tonunderstorms represented by lightning at the Fort Walton Beach Fairgrounds during a thunderstorm. One of the men who umpiring a baseball game, and the others were observing the game at the time lightning struct. Their injuries were not serious. Midespread severe thunderstorm activity and heavy rains occurred around the county with more than 5 inches of rain reported in some sections during the day. More than 3 inches of rain fell in Fort Walton Beach during a span of 14 hours causing severy local street flooding. Bradford County 2:27PM Tornado EST tornado touched down 6 to 8 miles soving northward at 15 mph, blew down ouses and broke a few window. No consess and broke a few window. No consess and broke a few window. st of Starke. The torna orth rees, damaged chicken injuries were reported Pinellas County 10 Afternoon 0 0 0 0 Hernando County Funnel aloft. Lightning/severe A 16-year-old boy was struck by lightning at the Tarpon Lake
Village Golf Course in Tarion Springs while running for cover during a severe thunderstorm. A boilt of lightning struck the golf
unbreilla he was holding, entered his right hand and passed chrough
his body. The unbreilla ended up in shreds, and the boy's golf shoes
were completely ripped spart. The victim received second degree
burns on both feet, some burns on his neck and torso, and six
stirthes were required in his right hand. Doctors stated that the
boy's pulse rate increased to 200 bets per minute and that an older
person might not have been able to stand such a strain on the heart.
The victim's 17-year-old brother, present at the time, was not injured. A funnel cloud aloft was reported by the public along the Bay going must cloud aloft was observed for about 15 or 20 minutes by ous restdents west of Jupiter in the area of Indiantown Road, unnel cloud moved in a northeasterly direction and dissipated ut touching the ground. 1:50PM Okaloosa County 0 Waterspout A waterspout was reported ff Holiday Isl near Destin. Severe thunderstorms also occurred in Dunedin and Clearwater accompanied by strong gusty winds and heavy rains. Numerous trees were uprooted and power limes blown down. Several cars and house roofs were damaged by fallen trees. A number of windows in homes and businesses were shattered by flying branches. Franklin County 25 9:25AM 0 0 0 0 Waterspouts EST irge wat 0 0 Waterspout Broward County 7:00PM 0 0 EST 0 0 Funnel aloft. rthwest of Apalachicola. A waterspout was reported EST nel cloud aloft was reported 4 miles orth of Ft. Lauderdale. Franklin County 26 11:20AM 0 0 0 0 Wind EST 11 3:30PM 0 0 0 Severe thunderstorm A wind gust to Apalachicola d to 64 mph was reported during a thunderstorm. bout 10 miles No damage or Manatee County EST A wind gust estimated at 80 mph was reported during a severe thunder storm, and 2.50 inches of rain fell between 3:10 PM and 4:00PM EST. No damage or injuries were reported. injuries were Monroe County Santa Rosa County 6:35PM l۵ n CST nel clo EST large waters was reported by Civil out was obs uth of the Key West national Airport st of Milton. nter ise just orthe Highlands County 0 1:00Pi 0 0 0 Wind Manatee County EST
A single bolt of lightning killed 21 milk cows a
Dairy near Lorida during a violent thunderstorm,
killed instantly when lightning struck a barbed
where they were standing if a pasture. Two men,
the time reported that they heard a "dull thud" EST A wind gust estimated at No damage was reported. at Bishop Brothers mph was d during a thunderstorm The cows were wire fence near in the pasture at and looked up to Floral City, Citrus County 12 3:35PM 0 0 0 0 Hail EST ing a thunderstorm Monroe County 5:07PN 0 Waterspouts No damage was reported. watersp st of Key West. 5:30PM 0 Marion County 0 0 0 Hail EST Hailstones 1 1/4 inches in diameter were reported 9 miles west of Ocala during No damage a thundersto GEORGIA 0 1 0 0 100 0 1 3 0 Tornado A Sarasota man was struck by lightning during a thunderstorm while standing near the First National Bank on Bypass 41. He was not seriously injured. A tornado moved through the edge of a trailer park. One mobile home was lifted off the ground, cleared small trees, and was deposited upside-down in a nearby lake. A month pregnant woman slightly injured in it Gulf County 13 10:30AM 0 0 0 0 Waterspout 10 am -0 0 0 0 Flooding Statesboro of St. Joe Beach. 0 Oldsmar, Pinellas County A flash flood struck the b district, with 4-6 inches of EST A wind gust stimated at 6 mph ing a thunderstorm No damage was 3:00 pm 0 0 n Wind Bay County 18 8:29AM EST 0 0 0 0 Waterspout High winds from a thunderstorm an equipment shelter, and some EST A waterspout miles City. partially 1 imbs Leesburg, 2/10 15 0 0 3 0 Tornado 1 3 0 0 Lightning Late Lake Lanier 7:00 pm Lake County Afternoon
A small tornado reportedly dipped down briefly at two locations several blocks apart causing minor damage. The first point was at James and Stiason Streets, and the second point was several blocks northwest at olivet Street and Hispah Avenue. Minor roof and porch damage was reported, and a number of trees and power lines were downed. The fire Department reported wind gusts to 50 mph. An aluminum tool shed was ripped from its foundation and blown about 100 yards away. There were no injuries. Afternoon Lightning killed a woman riding in a boat on the lake. The other 3 passengers were electrical shock. operated by her husband treated for burns and HAWAII NONE REPORTED

AUGUST 1977

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		CAL	PATH	Ē		OF SONS		ATED†				CAL	PATH	Ĕ		OF SONS	ESTIM. DAM	ATED [†] AGE	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
IDAHO	<u> </u>	<u> </u>		1						ILLINOIS (contin	ıued	<u> </u>					<u> </u>		
Bonner and Boundary Counties	3	Afternoon			0	0	4	0	Lightning	3 miles SSE of Loami, Sangamon County	6	about 3:36pm-	3.3	350	0	0	?	? '	Гогладо
	poin	, Priest	Lake,	and Bon					res in the Sand- fires were mostly		Deve	3:41pm loped over	the so	uth for	k of	Lick	Creek	Pass	ed through fields
Gooding and Twin Falls		f 5 acres	in siz	e.		٥	4	0	Wind	Auburn-Lowder Area.		about	8 pats	60	O	0	o o		towards the ENE,
Counties	Stro	ng winds d				s bro	ke and	blew	down numerous	Sangamon County		3:30pm- 3:40pm							
•	Bu i 1		e was	minor.	In M	urtau	gh, Tv		utility lines. Is County, a pick-		nest.	cted an are ly in field ge. Moved t	s. The	funnel	ski	ted	Lowder Tarms	rithou	ust NW of Auburn, doing property
Montpelier Area, Bear Lake County		Early Morning			0	0	4	0	Lightning	Glenwood Park Subdivis ion, 2 miles ESE of Chatham, Sangamon	6	about 3:45gm- 3:55pm	4.6	100	٥	o	6	5	Farmado
	Jim	Bridger pl	ent in	Wyomir	g cut	off	power	for a	coming from the few hours to over	County	divi	rnado cause sion and to	farm	2 mile	B 901	th a	ad 2 ma	iles e	Glenwood Park sub- st of Chatham.
Gooding, Jerome, and	1	40 custome		across	sout	hern	Idaho.		Wind		iel	de south of	Chat	am and	ende	dat	the no	rtheas	corn and soybean
Lincoln Counties		Į.	[wn nume	rous	trees		Į.	tilities, small		юь	ones were	lestro	ed or s	Aere	là qu	paged.	Hoved	ingfield. About towards the NE.
	bui 1 acro	dings, and ss central	some Linco	homes i In Coun	n a t	wo-mi mall	le wid buildi	e and ngs we	14-mile long path re damaged and	2 miles W of Beaming- ton, Sangamon County	6	about 3:50pm	.6	50	0	0	0	?	Tornado
	A pi	s blown do ckup truck	wn cam was d	paging p Damaged	by fa	l len	trees	at Je	Gooding County.			rred entire Ball School		fields.	Mov	ed to	wards	the NN	Passed close to
Bonner, Boundary, and Idaho Counties	21				0	0	5	0	Lightning	11/2 miles W of Beam- ington, Sangamon County	6 Occ	about 3:51pm urred entir	,2 elv i	15 fields	O Mon	O red t	0 owards	? the S	Tornado SR.
	ning	in Bonner	and B	bundary	Coun	ties.	A 20	0-acre	started by light- , lightning caused am from Riggins,	21/2 miles WSW of Buckhart, Sangamon	١.	about	4.0	90	0	0	?	?	Tornado
	jump	ers; and a	ir tan	kers to	put	it ou	t. Th	e Coti	d; about 30 smoke er Bar and Wilson d nearly 6,200	County		4:15pm sed heavy d ds the ENE.	amage	to a fi	rm al	out	mile	Wof	Buckhart. Moved to-
<u></u>		s and requ								Thayer, Sangamon County		about 3:38pm-	6.9	35	0	0	4	7	Ternado
Bonneville County	Į	Evening		Į	0	0	3	0	Wind, lightning	ooding.	Begi	3:45pm	r, who	re a m	bile	home	was d	maged	. Moved towards the
		ng winds d ers at sca				and	lightr	ing bu	rned out trans-	1 1/2 miles NE of Cimi	NB.	about	4.8	150	٥	0	7	7	Tornado
Crystal Area, Power County		Afternoon			0	0	4	5	Flash Flood, Hail	Sangamon County		3:47pm- 3:55pm							
	wipi	ng out gra	in fie	lds, su	immer	fallo	w, fer	ces, t	on several farms ridges, and road- sited on fields.		Cim	Le. Damaged	1 far	n exter	Bive]	y. M	oved to	marde	1 1/2 miles NE of the NE.
	The 157	¢reek rose	about	6 feet	over	• i ts	usual	depth.	On one farm, fell for about	1 mile SW of New City, Sangamon County	6.	about 3:57pm- 4:00pm	2,2	50	0	0	5	?	Tornado
Daniels Area, Oneida		2:30 p			0	0	4	5	Flash Flood, Hail	1/2 mile NE of Breck-		ged severs	- 1				d towa:		
County	A fl	ash flood storm hit	on the 10.00	headwa	ters	of th	e Litt	le Mai	ad River and a washing out fences,	enridge, Sangamon County-Christian		4:00pm- 4:05pm	2.8	40	0	0	?		Tornado
	fiel Wint	ds, and ro er wheat,	ads. irriga	it was ted bar	descr ley,	ibed sprir	as a i g whea	ecord t, and	for this area. hay were beaten	County	but	the Roby c is. Moved t	hurch	roof wa	s dan	red uged	to end	1/2 m	le south of Roby, by downburst
	hail	stones as	big as	the en	d of	his t	humb.	Anoth	One farmer reported er reported his of soil filled	Diverson, Sangamon County	6	about	8.0	60	0	0	7	.?	Tornado
	with was	noxious w	eeds, g. Th	The cr e storm	eek c	hanne elle	1, 25. east	feet of to wes	eep in some spots, t covering about	wane,	Bega	3:25pm- 3:40pm in about 2:	miles	ESE of	Thaye	r. M	ved ti	rough	Divernon while a
Inkom Area, Bannock		Afternoon		Live or	0	0	3	0	Flash Flood			was in pr to cornfie						occu	red. Most damage
County	At 1	east one h	ome an	d many	basen	ents	were 1	looded	vy rains upstream.	3 miles SE of New City Christian County	, 6	about 3:55pm- 3:57pm	1.1	15	0	0	0	?	Ternado
	i tem abou	s were des ; a five m	troyed inute	. Аse notice	rvice befor	stat e the	ion ov	ner re arriv	ported there was ed. Thick, black							Lake	Kinca	ld. En	ire path was over
	drai		s cove	rea law	ns, g	aroen	is, por	cnes,	and clogged sewer	2 1/2 miles SSW of Diverson, Sangamon	6	about 3:37pm-	1.0	50	0	0	٥	?	Tornado
ILLINOIS Northeastern	4	Early	,		2	2	6	0	Lightning, Thunder-	County		3:40pm						diate	y below. Occurred
	1	Morning	storm	knock		_	_		storm, Wind nds of residents in ightning touched	2 1/2 miles SSW of	6	about	1.9	25	0	0	0	?	Tornado
. i	pir a	n explosi e resulti	on that	t kille	42 m	on an	d seri	pusly	injured 2 others which they were	Divernon, Sangamon County	The	3:35pm- 3:40pm south "Twi	n" of	the tor	nado	list	ed imm	diate:	y above. Occurred
Whiteside County	work:	ng. 1:05 am			o	0	?		Hail	2 1/2 miles SW of	enti	rely in fi about	elds, 6,5	beside 30	the n	orth O	"Twin!	. Nove	od towards the ENE. Tornado
3 miles N of	6	tones of	inch .8	in dia 350	neter O	were	repor		Ternade	Pawmee, Sangamon County-Christian County		3:45pm- 3:52pm rred mainly		ielda.	Hove	tow	ırds ti	e Eng	
Waverly, Sangamon County-Morgan County		3:30pm red entire	.					the EN	ļ (2 1/2 miles S of	6	about	0.2	10	0	0	0	- 1	Tornado
Maxorell, Sangamon County		about 3:35pm	.8	10	0	0	0		Tornado	Beamington, Sangamon County	Path 1 1/	2 mailes NR	of Ci	mic, ab	out 1	m11	from	its es	to which originated and, Occurred entire-
	oved foved	red entire towards t	dy in he ENE	fields,	abor	at 4	miles:	horthe	ast of Waverly.		Ly 1	n fields.	The co	nfi gura	tion	of t	ne awat	h mer)	s in the cornfields
3 miles SSW of Loami, Sangamon County		about 3:36pm- 3:38pm	1,3	350	0	0	0		fornado										
	1		ıl y i n	fields	Move	d to	rards i	he SE										į	

,		,																	AUGUST 1977
		¥.	РАТН	Ŧ		OF SONS	ESTIM	ATED†				¥r.	PATH	I		OF		ATED1	
DIACE		TIME - LOCAL STANDARD	OF P.	WIDTH OF PAT (YARDS)					CHARACTER	Di LOS		TIME - LOCAL STANDARD	F (S	WIDTH OF PATH (YAROS)			t	Ī	CHARACTER
PLACE		- AG	TH C	HOF	l e	æ	ERTY	_	OF STORM	PLACE		S -	E E	YARC	e	e	E8 .	<u>م</u>	OF STORM
	DATE	STA	LENGTH (TOI,	KILLED	NJURED	PROPERTY	CROPS			DATE	TIMI	LENGTH OF F	TO T	KILLED	NJURED	PROPERTY	CROPS	
L II I INOIC /tim	٠.		L						<u> </u>	L		<u> </u>	1		<u>i </u>	L		J	
ILLINOIS (continuous), Sangamon,	iueu 6) 2:30pm=			0	٥	?	?	Wind, Thunderstorm	ILLINOIS (contir	ŧ	1			,		,	,	
Logan, Dewitt, Christian Counties	ľ	about					•		and, indiderstorm	Eastern Shelby County, Western Cumberland	21	12:00 noen-	28	75	6	56	6	6	Tornado
1	Wind	4:30pm le as high	as 58	knots	ffect	ed po	rtion	of c	entral Illinois, ng barns and severe	County, Southwestern Coles County	The	12:45pm tornado f	rst to	uched o	own i	bout	2 mil	65 W08	of Windsor, in
	ly d	lamaging so	veral	homes.	About	3,00	O ACT	a of	crops were knocked derstorms, 2 air-		cros	sed the s	uthwe	t port	on o	Lak	e Matt	oon, U	massing near Sexson, en to just south of
	cras	t made for	ced l	inding o	tue to	the	sever	turb	elence caused by inded in a cornfield		2 m	les west-	southwe	st of (reen	up in	the v	icinit	the ground about of Interstate
į l	near	Glanarm,	Sangar	on Cour	ity ar	d a i	pped i	ver o	its back. It was		VAL	ed from 5	0 to 10	0 yard	wid	. Th	o dama	ging w	miles long and nds from the storm
	crai	t landed o	n U.S.	Highwa	y 36	near	Jacks	nvill	ted. The other air- e, Horgan County, estruction extended		nado	occurred	in her	vy rai	and a	80 W	de vis	ible o	he track. The tor- make the tor-
	from	near Mur	ayvil	le, sout	hwest	ern i	brgan	Count	y and southwestern		the	Erwin sub	divisio	n and t	the P	rahl	Praile	+ Cour	he tornado struck t, where 6 people
	Maco	n County.	The r	of of t	he Ro	by C	emuni	ty Chui	ch, at Roby, Christ- lding heavy damage.		Mere	destroye	d or se	verly o	damag	ed an	ig apon	t 6 ho	od 50 mobile homes uses were damaged.
,	Pour	camping t	raile	s were	damag	ed at	the	Safari	Campground, east of		home	were bl	own in	to them.	or	the 6	perso	na kil	ese because mobile led, 3 were known to
Calhoun, Greene, Jer-	7	Night		"	0	0	?		Wind, Thunderstorm		four	ni in ditc	hes and	field	and	thei	ir init	iel wh	k. The other 3 were ereabouts were un-
sey, Madison, St. Clair Counties	Wind wide	s gusting	ages (f power	. The	turt		g thun	terstorms caused snapped tree limbs	}	home	a. Damage	outsi	e of the	e La	e Ma	ttoon	area w	s occupying mobile as relatively minor,
	and	power line	8 ove	a wide	area	<u>ا</u> ا				Jasper, Grawford, Lawrence, Wabash		Afternoon		cut -	0	0	? ama ga	?	Hail 4 counties in
Southwestern Washington County	Hail	Afternoon of golf-	all s	ze and	0 large	L Ma	? repo	ted o	Hail ver a small portion	Counties	sout	reastern	Illino:	s. The	effe	¢ts o	the	storm	began in Yale, through Bellair
	of a	ch in Live	n Was ly Gr	ington	Count	y. Ti en. i	e nor Luch o	th wind	dows of St. Anthomys damage from hail		and	Flat Rock	Tree	and to	dee 1	imbs	were d	onan, b	ringing electrical sidespread, but no
	was win	lows, dent	n an d and	chipped	shir	gles	and a	west butter	of Cakdale. Broken s, plastic siding, est 1 car was re-		est:	mates of	the ext	ent we	e av	اعلته	aļe. Ma	ny rep	orts of broken win- damaged were receive
	port	ed to be intial, as	adly	dented 1	y the	hai]	stone	s. Cro	p damage was sub-		ed.	Hail as 1	arge a	golf-	11	eize	V2.0 50	en in 1	many parts of the
Northern Monroe County	1:	about			0	0	?	?	Hall	Williamson, Southwest-		9:30pm-			0	0	5	?	Wind
Western St. Clair County	i .	3:00pm	l ove	c a smal	1 201	e of			a Illinois. Hail-	ern Franklin Counties	A tl	2:00am understor	with	high w	nds	it e	outhwe	stern	Franklin County and
•	ator	in the M	in di	meter v	ere :	een e	it Coli	dmbia,	Monroe County and		DOT	ning of th	e 22md	knock	ing o	ut el	ectric	al pow	ed early in the
St. Clair, Clinton,	١.	about			0	0	5	0	Wind, Lightning		dam	ige to hom	es and	farms.	On a	fare	tust	south (and structural of Marion, on Golf and an attached
Washington Counties	An e):00am arly morn	ing st	orm kno	sked o	ut p	wer,	downed	tree limbs and		shed	were blo	ијп фомп	i and ti	de fa	ana ho	use ro	of was	also damaged. In power lines. Also
	bri	ng destruc	ion t	south	este:	n D	inoia	Nume	d wind combined to rous reports were		in t	he same c	ity. a	censtr	dct1 o	n tre	iler w	as blo	m over and several rport several air-
	1		rge t	ree bra			ning i		ofs of homes.		cra	t were da r damage	maged 1	y the	igh	vinde	One	small .	irplane received
Champaign and Vermilian Counties	111	Late Morning			O	0	,	,	Wind, Hail	Gurnee, Lake County	1	Afternoon			,	4	0	o	Wind
		Afternoo	4	nt own			of	Champa	ign and Vermilion		atı	ree onto a	crowd	celebr	iting	"Guz	nae De	y" fes	th winds blew over
	Cou	nties shor	ly af	ter 10:	30am.	Wind	gust	ing to	about 50 knots		had Pari	gathered	dtad	mtown	band	shell	l to he	AT B C	oncert at Viking
	obs	erved in a	west	to east	trac	acr	вв се	atral	Champaign County to n County, causing	Mercer County	31	about			0	1	0	0	Lightning
	ing	p damage o down onto	unkn a mob	own ext ile hom	ent.	he hi	lgh wi Incoln	nds br Park	ought a tree crash— in north Urbana.		A W	4:00pm	ved fi	st deg	ree b	urns	to the	left	side of the face. struck the tele-
	The	Carter Lu nty, was a	compl	ompany ete los	stora, s when	ge bu:	llding was ri	in Bo	ndville, Champaign y the gusty winds.		pho	is line ne	ar her	home a	e she	ASS.	making	a cal	1, and traveled
	Num	erous tree ages to va	limbs	jand po gommuni	er l	ines to	vere d	owned, unty a	bringing electrical rea. In the vicinity					21.0 100					
	win	d damage w	s rec	orded.	dn on	far	n, at	about	ounty, most of the	NOTE: F,P,P, FOR				ļ					
	ini								d. In the same vic- homes and sheds	AUG. 6. TORNADOES: B miles N of Waverly, S	anor.	non Cames	Marras	n Count	1	P, E	1		
Macon and Shelby	ľ	about			0	٥	?	6	Hail, Heavy Rain	miles N of waverly, S famell B miles SSW of Loami			ga		1		o o		
Counties		2:00pm	it the	2-coun					erstorm. Decatur	miles SSE of Loami Auburn-Lewder area						2,3	2 3 2 2		
	rep	orted abou	3 in 1/2	dhes be inch di	tween amete	2 pm a	nd 2: L whic	30pm. h stri	The downpour was pped leaves from	Clerwood Park Subdivisi 2 miles W of Beamington						3,2	2 2		
	tre \$1,	es, cloggi 000,000 da	g dra	ins in o crops	in S	area helby	and and M	result acon C	ing in about ounties. About	1 1/2 miles W of Beaming 2 1/2 miles WSW of Buch	ngton khart	:				1,2	2,0		
	the	hail ran	long	111inoi	d hig	hway	21 fr	фт. Неп	most affected by an to Warrensburg	thayer 1/2 miles NE of Cime						1,5	2,1		
	mil	Bearsdale es wide, a dlay.	ro Dec rd in	atur in Shelby	ount;	y alo	out 7	ne fr	long and about 3 on Moweaqua to	mile SW of New City /2 mile NE of Brecken: Diverson	ridge	•				1,1	1 1		
	L 110	uay.								3 miles SE of New City 2 1/2 miles SS of Dive		North T	in)			0,	2,2 1,0 1,1		
										2 1/2 miles SSWoof Dive 2 1/2 miles SW of Pawn	rnon	South Tw	(بن			0,	1		
	1.		'							2 1/2 miles S of Beaming		1					-1,0		
										NOTE: F,P,P, FOR									
										AUG. 6. TORNADOES:	-					1 2	3,2		
1										AMERICAN PROPERTY	1					,,,			
	:																		
	:		1																
l	1.	1	1	1		1	l	1	1	I	İ	I	1		İ			1]

			Τ_	1		or.	Fr	ATED†	1							. of		ATED!	AUGUST 1977
		XCAL	PATH	Ē		OF		MAGE				CAL	РАТН	Ē		SONS		MGE	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
INDIANA										KANSAS (continu	ued)								
Parke County	6-7			l	0	0	6°	С	Heavy Rain	Kearny County	5	6:50 p							Funnel Cloud
	Loca	lly heavy rred over	rains	of 6 -	8" in	a 2	-hour	perio				unnel clou in, moving			d for	a sl	ort t	ine 20	miles northwest of
	two	bridges we paches.	are des	troyed	alona	wit	b 10 b	ridge		Hamilton County	5	7:40 p	**17		0	0	0	0	Tornado
	a co	uple of co	ws wer	e lost.	Tot	al d	mage	sti-							east,	touc	hed d	wn bri	efly about 6 miles
Spencer	8	5:30AM			0	0	40	С	Funnel Cloud	Stevens County	nor 5	theast of	##17	se. 15	0	0	0	0	Tornado
Owen County									Hail, Wind	otevens sounty	Ι΄.	1	1			İ			ly 5 miles south-
	Coun	vere thund ty uprooti , heavy ra	ing tre	es and	downi	ng p	wer 1	nes.	.		wes	of Mosco							
	all a	around Gos	port.	A funn	el cl	oud '	as si	shted		Lincoln	5	10:30 p- midnight			0	0	6	L	Hail, Wind, Heavy Rain
	nort:	n of Spend just nort	er to	the Gos osport	port was m	area oved	A m	bile four											produced winds to
		off its f									Ext	ensive dam	age to	roofs,	sidi	ng, 1	indow	, tree	4 inches of rain. s, utility poles amage was minor.
Danville	11	2:55PM			0	0	0	0	Funnel Cloud	Coffey County	1	2:30 -	542	-2.1.60			4	4	Wind, Hail
Hendricks County		funnel clo south of			rved	by ti	e pub	lic			-	3:50p						-	, <u>-</u>
Lebanon	11	3:05 -	Danvii		0	0	40	c	Hail, Lightning		str	ong gusty	vinds	and loc	al ha	ш.	A few	hailst	gh the county with ones to 2 inches
Boone County	[3:30PM			ľ		"		naii, Lighthing		rep	orted sout	h of B	urlingt	west on an	of Ne dat	w Stra LeRoy	Dama	ind damage was ge was to roofs,
	Ligh Golf	tning stru ball-size	ck a b	arn jus fell in	t sou	th of	Leban le wide	on.		Lyon County	tre 21	es, and ut 2:30 p	Lity	ines.			3		Hail
		from Dov Tields.	rer to	Lebanon	, cau	sing	damage	to	·	Lyon county		1	n movi	ng sout	heast	proc	İ	ŀ	ail with a few
Vincennes	11	3:30PM			0	0	30	С	Wind		hai.		1-1/2	inches	diam				oria. No signi-
Knox County	Polic	e reporte d several	that	a seve	re th	under	storm	up-		Decatur and Sheridan	22	3:00 p			.		4	5	Hail
Southwest	21	2:00 -	. trees	and de	0	0	Ser.aR	2 7001	Hail, Wind	Counties	Thu	nderstorms	movin	g south	east	throu	gh the	se cou	nties produced
Indiana	Merv	5:00PM	unders	corms n	1	ļ	reme :	outh-			2 m	iles east is were da	of Tra	er and	2 mil re wa	es no	rth o	Studl ble da	nties produce: Damage was reported ey. Windows and mage to corn.
	west golf	Indiana w ball size . Exact	th da Mos	maging t of th	winds e dam	and age v	hail u as do:	to to ne to		South Central thru Northeast	31	7:00 a- midnight			0	1	5	5	Heavy Rain, Flash Flooding, Lightn- ing, Hail
Evansville Vanderburgh	23	4:45PM							Funnel Cloud		Gen	eral heavy	rains	of 1-1	/2 to	ove	3 in	ches a	nd locally over 5 hwest Kingman
1 dines sar Bit		l clouds of New H									Con	unty to Alt	a Vist	a to th	e noi	thea	st cor	mer of	the state. Sub- rain centers
	north	west of E was also	vansvi sight	lle at ed by s	4:43 tate	PM. polic	A funi	el			cau	sing baser	ent fl	coting	and c	amag	e to r	oads at	d bridges,
	vicin	ity of Ev	ansvil	le at 4	45 P	М.				1 8	of Som	rain occur e small st	red in ream i	the Ho lash fl	ltan oodir	vici:	pity w	ere 5 erred.	26 inches fell. Lightning caused
											hai	1 was repo	rted u	p to th	e siz	e of	golf	balls :	he area and local in the south part 1.50 inches, Willow-
IOWA			SEE	END OF	TAB	LE					dal	e 4.50 inc	hes, a	nd Pope	ka lı.	08 1	nches.	One	injury caused by
********													1 -	ECIAL H			_		
KANSAS Thomas County	1	6130 p			0	0	5	5	Hail Wind		Hai sev	l loss cle ere on the	aring foll	house r wing da	eport	s in	dicate in the	hail fallo	as especially ing counties:
	Thur	derstorms	nivem	south	east	acros	s the	county	produced hail and			1 Thom	as						
	wind	gusts to	60 mp	h. Hea s in di	viest amete	dama r acc	ge was	in an	d near Colby with 3 inches in depth			5 Finn	ey, Ha	skell					
	util	he ground ity lines	. Bam Hea	age was	to h	ge Wa	mobil s at a	e home catter	s, automobiles, and ed points in the			9 Edwa							
Rush County	cour	9:15 p							Funnel Cloud			10 Wall		ichita					
	1		d was	observe	i for	a sh	ort ti	me 8 m	iles north of			22 Clay							
	LaCı	osse.								KENTUCKY	7	3 pm EDT					4		High Winds
Smith, Mitchell, Cloud, Ottawa, Clay,	14	1:00- 3:00a					6	14	Wind, Heavy Rain, Lightning		High over		ociate obile	d with	a se	vere ondon	thunde	rstorm	rtgri wirids
and Geary Counties	Thur	derstorms	devel	oped ov	er Sm	ith C	ounty	and me	ved southeast	Jefferson County	8	4:15 pm				8	5		SVR TSTM
	ted Dame	to over 8	0 mph homes	and hear	y ra and	in ac	compar ity 1	ied th	ty. Winds estima- e thunderstorms. th heavy damage at		Wind	EDT is estimate	d at	0 to 80	mph	caus	ed		
	were	damaged	at the	Clay C	ent er	Air	ort.	Wind g	th heavy damage at City. Two airplanes usts to 92 mph were		The	iderable d GE Plant H	amage ad the	to posi	tion:	of off o	Louisv	ille. their	
	reco	rded at M	llford	Reserv	oir.	Ligh	tning	caused	damage to church damage was minor.		\$250	dings and ,000 to me knocked o	rchand	lise. F	lundre	eds o	ftree	B	ver.
Sedgwick County	Į,	3:00 a					5	0	Lightning	Boyle County	10	3:45 pm	Janii di		·iviles	wer 4	3	Jac por	SVR TSTM
	Ligh	tning ass	pciate	d with	thund bush	ersto dinas	rms mo	ving s	outheast through utility lines.		High	EDT winds upr	ooted	many tr	ees a		-	barns	
	Six	buildings	in Wi	chita w	ere d	amage	d by 1	ightni	ng caused fires.	F-411. 0	and	homes near	Danvi	11e.					
Greeley and Wichita Counties	5	3:45 - 6:00p					6	6	Hail	Estill County	3	2:30 pm EST	3	30	0	0	4	ļ.	Tornado
									ribune southeast-		one	rnado touc mobile hom 2 cars. I	le. dan	aging a	nothe	r mol	bile h	ome"	
		through s, automo					y, cau	sing e	xtensive damage to		foun	3 miles	to the	east.			, wer	Ţ	

1	1 13	E	l _		OF		ATED]			i j	E	_		OF		ATED†	
	8c4	PATH	HT4	PER	sons	DAW	IAGE	CHARACTER			OCA -	PA1	H (PER	SONS	DAA	AGE	CHARACTER
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
KENTUCKY (con	ntinued)								LOUISIANA (cor	ntinu	ed)							
Daviess, Ohio,	1 Eve					5	6	SVR TSTM	Orleans Parish	25	2:50 PM			0	0	0	0	Waterspout
Hancock and Grayson Counties	sized hail ar	d high	winds of	daused	cons	idera	ble				Spout was	repor	ted nea	r the	sout	h sho	re of I	ake Pontchartrai:
	damage over 4 of beans, cor	count	iles. Th	ousar	ds of	acre.	\$		West Carroll Parish	26	2:00 PM			0	0	0	0	Funnel Cloud
	Flooding, pow buildings wer	er out	ges, ar	d dan	aged	farm					Public re	ported	funnel	abou	t 15	miles	south	est of Oak
Daviess, Henderson,	23 Eve					5	5	SVR TSTM			Grove. N	o trac	es coul	d be	found	on g	ound.	
countres	Winds of gust golf balls we	rie assi	octated.	with	a sev	ere t	sitm .		St. James Parish	27	Afternoon			0	0	6	0	Lightning
	that moved th	ru4co wellin	unties as and b	of Ke	ntuck	y. F	fty				A million all after	-gallo noon a	n napth t St. J	a sto ames	rage after	tank a li	urned ghtning	spectacularly bolt ruptured
	damaged and t was extensive	obacco,	corn,	and s	oy be	an acı	reage				the tank.	Two	people	were	inju	ed fi	ghting	the blaze.
	24 3 am EDT		9021			4		TSTM	Southern Coastal Sections	30				1				Hurricane ANITA
	A heavy thund	erston	caused	"the	city	s wor	st flo	hod			nough Hurr isiana, th							south of ides that ran
	in the past 8 of rain in 90 many homes.	ninute	s cause	d wat	er to	rise	into			two	to four f	eet MS	L along	the	sout:	hern c	oast.	
	car were swep	t away	by the	flash	floc	amper d.	and or	1e		Abo low	ut 9,000 p	eople s of C	evacuat ameron	ed fr	om v	ulnera emines	le lo Paris	ations in mes and from
	.		İ							Gra	nd Isle as	a pre	cautior	ary 1	easu	te. O	ver 1,⊧	000 workers e Gulf off
LOUISIANA						İ					Louisiana			11	5 1			
Evangeline Parish	1 3:30 PM			0	0	2	0	Windstorm										
	High winds h	lew tr	ees acro	ss re	ad 10) mile	s west	of Ville Platte.	MAINE Southern	1	2			0	0	3	0	Severe Thunder-
Lafayette Parish	2 3:48 PM			0	0	0	0	Funnel	Southern	*	2 p.m.			ľ	"	,		storm
	Pilot report	ed fun	nel clou	d 15	mile	s sout	of L	afayette.		A 1:	ne of thu	nderst	oras pa	ssed	thro	ugh ao	thern	Maine with sever
Jefferson Parish	2 6:52 PM			0	0	0	0	Hail Aloft		qua	ter inch	Sebag hail w	o and h	eugra e lin	de L	akes a wn ne	rea. (ar Rayı	ne-half to three cond. Building con. High winds,
	Golf ball si	ze hai	report	ted at	650) feet	over	oisant		hea	m down at vy rain at	Madis	on. Li	-inch ghtni	hai.	l near rikes	at ma	on. High winds, y places.
	Airport.								Presque Isle, Arocs-	5	Aftn			0	0	4	0	Thunderstorm
Orleans Parish	9 6:15- 6:23 AM			0	0	0	0	Waterspout	took County	ļ								
	Large waters	pout i	Lake (Cather	ine					res	ilted in f	storms Loodin	left 2 g of ho	2-3" mes,	of r	ain in ed out	90 min	utes. This and flooded
	9 7:15 AM			0	0	0	0	Waterspout		str	eets.							
	Small waters	pout 1	r east p	portic	n of	Lake	Pontch	artrain.	Sargentville, Hancock	14	9:30 pm	0.3	2	0	0	4	0	Tornado
Vermilion Parish	9 8:21 AM			0	0	0	0	Waterspout										ar Oakland House
	Waterspout o	bserve	d movins	nort	h ove	er Ver	nilion	Bay.		sum des	mer resort cribed, "T	, upro	oted ar c ratt]	id twi	sted nd r	off l	arge o	k trees. Reside and building fel
Orleans Parish	10 5:33 AM			0	0	0	0	Waterspout		as	if it was 1 - 2	liftin	g."					
	Spout in eas	tern L	ake Pont	tchart	rain		1								Ì			
Jefferson Parish	11 4:00 PM	}		0	1	0	0	Lightning	MARYLAND &	D.C.								
	Aviation wor	ker at	Moisani	Aire	ort v	as st	i	* *	Washington, D.C. area	1	1:30 p-			0	0	2	0	Wind, Rain,
	to the groun								And Montgomery and Prince Georges County	,	3:30 p							Lightning
Jefferson Parish	13 10:00 AM	ı		0	0	0	0	Funnel Cloud		was	disrupted.	due to	falle	d tre	s or	light	thing s	outages as servic rikes. Minor
	Funnel Cloud		ved over	Lake	Sal	ador	south	of New Orleans		repo	ging of s	treets	in som	e sec	tions	with	up to	two inches of re
St. Bernard Parish	13 12:32 PM	T		0	0	o	0		Talbot County	1	3:00 p-			0	0	. 3	0	Lightning
St. Bernatu Parism					LΙΙ		1	Waterspout		Thre	4:00 p transfo	mers :	alued	at a	otal	of \$1	600 w	ere destroyed in
	FAA personne	u wate	ned larg	ge wat	erspo	out ov	er Lak	e Borgne.		St. Seve	Michaels- ral roads	thurch in the	Neck a	rea b	wha hman	was areas	called were	severe lightning temporarily close
St. Bernard Parish	14 9:45 AM				0	0		Waterenout		due	to up to : Cordova :	three :	nches ng str	df ra	in in	1 less	then a	n hour. One oddit l hoop, splitting
wormand 10110il	Waterspo		1.25.				"	Waterspout		the	supporting	роте	1					
Orleans Parish	19 1:20 PM	uc ove	Lake I	o	0		,	Harawas	Elkton (4S), Cecil County	17	1:15 p			0	0	5	0	Tornado
orreans tail\$11			1,,	*	1	0	0	Waterspout		Smal	l tornado comprisi	moves g apm	west to	d eas	, cu	ting	a swat	through a woode and brush. Slig
Orlana Part-1	Spout in	easte	n Lake			ŀ				dama	ge to one rted seei	reside	nce. A	lloud	lroar	ing so	ound be	ard and one perso
Orleans Parish	20 3:00 PM			0	0	0	0	Waterspouts	Cecil County	17	Afternoon			0	0	3	0	Wind, Lightning
	Several past hou	waters r	pouts in	n Lake	Pont	chart	rain d	uring the		1			on the	ance.	*	-	1	
Calcasieu Parish	23 Morning			0	0	5	0	Reavy Rain		by w	ind. Cars	in vic	inity	of br	dge	also I	eceive	t at right angle
	Rains in	exces	of fiv	ve inc	hes d	aused	urban	flooding of		81,5	poid piani 00 damage antenna.	to con	munica	ions	cons	ole wh	civil en lig	Defence office : tning entered vi
	about 10	O home	s in eas	st cen	tral	porti	ons of	Lake Charles.	Cristiald					1	_	_	_	T d abid and an
Jefferson Parish	23 8:40 AM			0	0	0	0	Waterspout	Crisfield, Somerset County	1	Afternoon			0	0	3	0	Lightning
F.	Coast Gu Thunders					n Bar	taria	Bay.		out	electrica:	circu	it, me	lted :	fluse	box ar	ıd burn	t. It then burned ad out television
Iberia Parish	25 12:10 PM		T WOLL	ng eas	0	0		Funnel		set,	Lightning ion of it	open,	appare floodi	ntly:	follo	ted wa	ıter pi	pe and ripped a crted seeing some
	1 7 1 1 1 1 PM		1	٦	١ ' ا	١	"	Funnel	11	l"bal	is of fire	in	ard.	1			1	
-50114 1411511	Public reserve		1 -1			4 7		of Acadiana		1					1	1		ľ

MARYLAND & D.0 Severna Park, Anne Arundel County A de al 20 te vi Cecil County Ealtimore Metropolitan Area In fil ni MASSACHUSETTS Colnain Falmouth LoneNoute Medford Pittsfield Syningfield Sunderland Turner's Falls Mampshire County In fil ni	20 smalevel look iderection of the real state of	2:00 p All, but v cloted on a num boat eet offsh a wooded near calm 2:30 a ching asso former bu oof of th ated at b 3:00 p 4:00 p	1/2 rigorou parki at les ore. A area winds ciated ciding e buil etween	ng lot st LCO ifter mo and dis and ai and ai with e near C ding, a \$10,00	O lwind at Ha feet wing sipst r ten O arly harle long O and O d out	up in paral ed. In peral of the	O of the difference of the the the the the the the the the the	ial Bere air so the ser at the ar 80 o	Lightning	MICHIGAN (con Onaway Presque Isle County 3 Miles N of Whittemor to 3 NNE of National City losco County	4 Amo	d LIME - LOCAL STANDARD in struck in		70	0	O feed	4	C Gogs.	CHARACTER OF STORM Lightning
MARYLAND & D.C. Severna Park, Anna Arundel County A de al 20 te vi Cecil County Ealtimore Metropolitan Area In fil ni MASSACHUSETTS Colnain Falmouth LongDale Medford Pittsfield Springfield Sunderland Turnen's Falla Hampshire County Hampshire County Hampshire County	.C. 20 sneevel luming the control of	(continue 2:00 p ill, but v toped on a num bont leet offsh 1 a wooded near calm 2:30 a mining ass former bu toof of th ated at b 3:00 p 4:00 p	ed) 1/2 rigorou parki at lee seria vinds vinds ciated filding buil etweer	30 is, whiring lot st 100 fter mo and dis and ai with e near 0 ding, a \$10,00	0 lwind at Ha fet fet ving sipet r tem 0 arly harle long 0 and 0 d out	0 star tton up in paral ed. inpera 0 morning stown with \$15	O Memor: ito the liel to Weather to the liel to Weather to the lie to the lie the tree the tree to the lie the tree tree to the lie the tree tree tree tree tree tree tree	nany wilal Bere air so the strat to the stra	thesses as it then. It lifted an and then went about shore, it then en- te time was sunny degrees. Lightning	Onaway Presque Isle County 3 Miles N of Whittemor to 3 NNE of National City	tinue 4 A mo	d) Evening an struck in	his b	ackyard 70	l while	0 feed	ng his	C dogs.	
Severna Park, Anne Arundel County Add Add Add Add Add Add Add Add Add A	20 smalevel look iderection of the real state of	2:00 p All, but v cloted on a num boat eet offsh a wooded near calm 2:30 a ching asso former bu oof of th ated at b 3:00 p 4:00 p	1/2 rigorou parki at les ore. A area winds ciated ciding e buil etween	s, whir ng lot st 100 fter mo and dis and ai with e near C ding, a \$10,00	lwind at Ha feet ving sipat r tem 0 arly harle long 0 and 0	tton up in para ed. in pera 0 morn stown with	Memoriato the liel to Weather to ware no hard the ling the ling the the time the time the time was a second to the time to time to time to time to the time to	many wial Bere air : o the : r at the ar 80	thesses as it then. It lifted an and then went about shore, it then en- te time was sunny degrees. Lightning	Onaway Presque Isle County 3 Miles N of Whittemor to 3 NNE of National City	4 Amo	Evening an struck in		70	0	feedi	4	dogs.	
Anne Arundeí County A de sil County Cecil County Ealtimore Metropolitan Area In fil ni MASSACHUSETTS Colnain Falmouth LonoxDale Medford Pittsfield Springfield Sunderland Turnen's Falls Hampshire County Hampshire County Hampshire County	sneeded and service of the contract of the con	ill, but v loped on a lnum boat leet offsh l a wooded near calr 2:30 a ming ass former bu roof of th mated at b 3:00 p- 4:00 p me thunde led dozens	rigorou parki at les core. A area winds ciated ilding e buil etween	s, whir ng lot st 100 fter mo and dis and ai with e near C ding, a \$10,00	lwind at Ha feet ving sipat r tem 0 arly harle long 0 and 0	tton up in para ed. in pera 0 morn stown with	Memoriato the liel to Weather to ware no hard the ling the ling the the time the time the time was a second to the time to time to time to time to the time to	many wial Bere air : o the : r at the ar 80	thesses as it then. It lifted an and then went about shore, it then en- te time was sunny degrees. Lightning	3 Miles N of Whittemor to 3 NNE of National City	A mo	an struck in		70	0	feedi	4	dogs.	
Decil County 2 to the property of the propert	levelluming of the control of the co	toped on a num boat levet offshill a wooded near calm 2:30 a ming associonmer but toof of the mated at b 3:00 p- 4:00 p is a thunde led dozens	parki at les ore. A area winds ciated ilding e buil etween rstorm of ci	ng lot st LCO ifter mo and dis and ai and ai with e near C ding, a \$10,00	at Ha feet ving sipat r ten arly harle long 0 and 0	up in paral	Memor: ito the ilel to leathe: ture ne 4 ling the in The	ial Bere air so the ser at the ar 80 o	ach. It lifted an and then went about shore, it then en- he time was sunny degrees. Lightning torm struck a small	to 3 NNE of National City	5	4.30 P	4.5		0				Tomado
Decil County 20 te vi 21 tr th tr th each ten Ealtimore Metropoli- tan Area In fl ni MASSACHUSETTS Colnain falmouth tenoxDale Medford Pittshield Springfield Springfield Springfield Turner's falls Hampshire County Hampshire County	22 dight rans the restination of	eet offsh a wooded near calm 2:30 a ming asso former bu roof of th ated at b 3:00 p- 4:00 p use thurde led dozens	ore. A series of cife	fter mo and dis and ai with e near ding, a \$10,00	ving sipst r tem 0 arly harle long 0 and 0	para ed. i pera 0 morni stow with 1 \$15	llel to Weather Cure no 4 Ling the 1. The	the sear 80	shore, it then en- ne time was sunny degrees. Lightning	City	5	4.30 P	4.5		0				Tomado
Cecil County Litter the establishment of the country of the count	22 light rank the 1 stin 30 linter liotices	2:30 a sining asso sformer bu coof of the asted at b 3:00 p- 4:00 p	ciated ilding e buil etween rstorm	with e near Cding, a \$10,00	arly harle long O and O	0 morni stown with 1 \$15	ing the	0 unders resul	Lightning	lesco County	5	4.30 0	4.5		0 1				lomado
baltimore Metropoli- an Area In fi MASSACHUSETTS Colnain Falmouth LenoxDule Medford Pitzshield Springfield SundorLand Turner's Falls Hampshire County	ight rans the resting 30 Inter 1000 inces	cning associations of the control of	ilding e buil etween rstorn of ci	near (ding, a single state sta	harle long O and O	stown with \$15	the t	unders resul	form struck a small		tour	ado touche	d down	North o	r me i	····ersi	CHIQU	or Hwy	65 and 55 and move
trith the saltimore Metropoli- 3 an Area In fl MASSACHUSETTS Colnain Falmouth LenoxDale Medford Arittafield Springfield Sunderland Turner's Falls Hampshire County	rankerstin 30	sformer buttoof of the sated at buttoof of the sated at buttoof pure see thundened dozens	ilding e buil etween rstorn of ci	near (ding, a single state sta	harle long O and O	stown with \$15	the t	resul	torm struck a small	!	East a ho	Northeast me off its f	along (oundati	arpente on. It c	Road	, des ok th	roying e roof c	a mobi ff a Ba	te home and moving rn and did damage t
esaltimore Metropoli- 3 an Area In fl ni MASSACHUSETTS Colnain Falmouth LenarDale Medford A Pittafield a Springfield a Springfield a Turner's Falls Hampshire County i	30 Interiorizes	3:00 p- 4:00 p 4:00 p use thunde	etween rstorn of ci	\$10,00 knocke	O and	1 \$15	the t: ,000.	ransfo	ing fire destroyed		the d	loors and wined heavy	indows	of anoth	er ho	me.	Com ar	d Oot	fields along the path
MASSACHUSETTS Colrain Falmouth LenoxPale Medford Pittalield Springfield Sunderland Turner's Falls Hampshire County	Inter Look Lices	4:00 p ise thunde led dozens	of ci	ty bloc	d out	o	14		rmer. Damage was	6 SE Sault Ste. Marie		,							
In fin in the state of the stat	lood	nse thunde led dozens	of ci	ty bloc	d out			0	Wind, Rain,	Chippewa County to		4.05.0		170	0	0			Tarrada Waters
MASSACHUSETTS Colrain Falmouth LenoxPale Medford Pittshield Springfield Sundorland Turner's Falls Hampshire County	lood	led dozens	of ci	ty bloc	d out				Lightning	8 NNW Homstead			d down	just We	est of	Nicol			Tornado - Waterspo oved southeast
MASSACHUSETTS Colnain Falmouth LenarDale Medford A PittsAield s Springfield wa Sundorland Turner's Falls Hampshire County i	s	. Fallen	trees	and lig	ks an	d to	re chui	iks ou	sed one major fire, of building cor-		dame two	aging two g cabins. It	arages then m	and dest	roying r Lak	a ba le Nid	rn and olet wi	doing r ere a s	ninor roof damage to hip reparted 60 MPH
Colrain Falmouth LonoxPale Medford A Pitts field Springfield Sunderland Turner's Falls Hampshire County	1			1 }	ht po	sts	also da	nuaged	some automobiles.		and	lifted over	Sugar 1	sland aft	er da	magin	g some	sheds o	nd trees there.
Colrain Falmouth LonoxPale Medford A Pitts field Springfield Sunderland Turner's Falls Hampshire County	1									3 North of Marion	8	7:30A	1.5	35		0	3		Tornado
LenoxDale Medford A Pittsfield Springfield Sunderland Turner's Falls Hampshire County		After-							11.14.1	Osceola County	Torn	ado touche	d down	on a far			g a bar		earing limbs
Pittsfield s. Springfield w. Sunderland t. Turner's Falls of Hampshire County j		noon ne of thu			1	ا ا	4	0	Lightning			trees. It t ng over a							n Hwy 66 t of the Highway.
Sunderland t. Turner's Falls of Hampshire County is	stru	ne of ind ck a 2 fa reduced t	mily h	ouse in	Lend	x Dat	e. A a	televis	ion	1.5 NNE Frankfort									
Hampshire County i	the	second fl slightly	ocr.	The hour	se in	Pitt	skiele	was		Benzie County	17 Slah	3:30 P ted over Cr	vstal L	ake.					Waterspout
	in M	edford who	ere mil	war dam	nne n	0 K118 #	od A	nounc		1.5 South of	0.3		,						
1 41	en a	barn hay was dest	loht d	oorwan.	In	Sunda	rland	la laro	e.	Newberry	ا	400.0	١, [0			I v. 6.
61	schþ	ol was hi ightning	t and	sustain	ed mil	nor d	amaae.	Abou	t l	Luce County		4:23 P ado touche				land 1			
1)	In F	almouth t	vo hou	ses were	e str	uck.	p0.00tc	Color	9.			moved Sout TV antenna							he shingles 5 trees and
Western portions 5		After- noon			0	0	3	0	Lightning, wind		10 a	pple trees i	n an ap	ple orch	ard b	efore	lifted j	ust Wes	t of Hwy. M28A.
L	Ligh	tning str	ıck a	house c	zusény	g mir	or dam			Lansing Ingham County	29	1A			0	0	5		Lightning
		sor Locks	recor	ded gust	ts to	58 M	PH.	-			Ligh						torage	buildin	g. The fire that
Beverly 5 Salem Westfield	1	After- noon			0	о	4	0	Lightning	,	10110	med 010 22	0,000	actions i		uge.			
L	Ligh barn	tring cau	sed a	rouse 6	ire i	n Pea	body a	nd a		1 E Hale losco County	31	5:30 P	3	100	0	0	4	c .	Tornodo
64		as light	ung j	umped 6	vester com a	larg	a nous e pine	to a	ht		Road	s and move	d Nort	neast dar	magin	g or d	estroyi	g two	nd Towerline garages, one
			İ	. [-						el trailer ar long the po		ral outbu	ilding	js. H	eavy fr	ee dam	age occurred
Bourne New Bedford	17	After- noon			0	0	4	0	Lightning	Owosso]				
6	6 hp	uses were	struc	k in Bo					org rounding	Shiawassee County	31 Liah	Evening Ining struck	a men			1 adena	Drive		Lightning
	sear	ora.						,											
1	22	2:05	.05	15	0	2	4 .		Tornado	MINNESOTA Grand Meadow -					{ }	, ,			
A de	A sm down	all but u	ery ra t 5 to	re Cape 10 sec	Cod onds.	torna It	do tou destro	ched yed a		Ostrander Area Eastern Mower County	2	2:30PM	6	*2	,	0	4	5	11-41
px	carg oain	e sign in tings in	en hit to the	an art Parker	River	ery d	nd tos t pick	sed ed up		i						-		i	Hail ere damage to
i i	it	all but we for about a sign the tings in a building wack down; not serioused by some	the g	irês wer	te pir	nned	hen st in the	ammed rubbl	e		soyb	ean and co	m cro	ps. Gr	bund	accum	ulatio	n an i	nch or more ardest hit with
		red by son red over th			thunc	terst	нао wa Охть и	s hich	,	!	crop	almost a tones. M	total	loss.	Corn	l lite	rally	"huske	d" by driving
Barnstable 22		3 PM	c oup		,	0	4	,	Liahtuira	Mora Area									
North Eastham		ise was hi	t in b	each tob	.		4 bires		Lightning	Kanabec County	2	6:30PM	3	*1 1/2	FΙ	0	4	4	Hail
re	esu	Lted.		- 55	. [g-cres				damag		rops o	ver a s	mall :	area.	Cons	idered	most severe
MICHIGAN	ļ										ditch	es and la	vns 14	-hours	after	stor	n. St	reets	vident in and yards
2 SE Mt. Clemens		2 20 5									and v	red with ehicles.	reaves	and br	anche	5. S	ome da	mage t) roofs
Macomb County 3 Si	sight	3:30 P ed over Sel	lfridge	ANGB 7	noving	g out	over Le	ıke St.	Funnel Cloud Clair	Pipestone Pipestone County	4	5:00AM	_	_	0	0	4	0	Wind
Tawas	ļ											in excess	of 50	mph de					Wind eds at
losco County 3	/2 to	7:20 P 3/4 inch	Hail re	ported a		0 Tawas		C Guard	Hail Station.	:		tha Estat		apa uca			- 4611	20, 31	roo at
An area East of New-					- [[Cottonwood Area Lyon County	9	2:00PM	_	_	0	0	0	4	Hai l
berry, Cadillac, Grand Rapids & Hillsdale 4,:	,			l,	,	,	5	c	Thunderstorms		Golf-	ball size	hail	levasta	ted c	orn as	nd sov	bean fi	ields. Leaves
Str	trong					owe	to 14,	000 hor	nes and Businesses.		shred bare,	ded and to In some	m fr	om corn	leavi	ing sh	talks	and ea	rs standing
Br	ranc	h. Two ho	mes su	stained fi	ire do	magé	from li	ightn ing	garage in West in Adrian and			ground.							
[thr	nroje	shout the b	rea wit	h Madiso	n Heli	ghts	Cadille	ac and	ee damage occurred Midland hardest hit. of these storms.									1	

		OCAL	РАТН	ATH.		OF SONS	ESTIM. DAM	ATED1 AGE				OCAL	PATH	Ħ.	NO. PERS		ESTIM/ DAM		# 11.5
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
MINNESOTA (co	ntin	1ed)			 				l	MINNESOTA (co	ontin	ued)	-						
tosen-Bellingham Area Northern Lac Qui		,								Minneapolis/St. Paul Metropolitan Area									
Parle County	9	3:30PM	8	*4	0	0	0	5	Hail	Hennepin & Ramsey Counties	30	8:20PM	_		0	0	6	0	Heavy Rain
	lai1	to 3/4 in	ch cau	ed exte	nsiv	e dam	age to	corn,	soybeans,	Countries			unde	moage -			nt flo		resulted from
	to si	x inches	eep.	Only co	rn e	ars 1	eft on	stalk	eported five s. Bean empletely		near	-record r	ainfal	Augus	30t	ı and	early	Augus	t 31st in a
	haile	d out.	VIIIe	remail	iring.	Sev	erai i	arms c	pmpletely		poli	tan Area.	Thre	small	area	rec	eived	in exc	Paul Metro- ess of seven innetonka;
Darfur-Sveadahl Area	1						_				Rich	field; So	oth Min	neapol	s; N	orth	Bloomi	ngton;	Mendota Height . Croix Beach.
Watonwan County	9	4:55PM	7	70	0	0	5	5	TORNADO		Earl	y damage	report:	from .	Bennej	oin C	ounty	where	the 6-7 inch ed extensive
	fare	building:	s, des	royed	some	farm	equipa	ent, a	rees, damaged nd flattened		dama	ge, 365 h	omes an	d 8 bu	ines	es r	eceive	d part	ial damage. 🗼
	hund	red feet	to the	cloud	pefor	e ski	pping	back t	th of a few o earth for		Augu	st 31st,	roke :	five ra	nfal	l int	ensity	recor	and 12:20 AM ds. The 24-
	crit	s, hay ra	cks, g	rain bi	ns, a	nd ot	her fa	rm equ	damage to corn ipment. Heavy		to b	e a once	n 200	year e	ent.	eu se	cona 1	II HISL	pry and computes
	much	of monet	ary 10	s in f	ve m	iles	of lev	eled o	s involved with rops. Extensive									İ	i
		phone and r lines.	elect	rical o	utage	s due	falle	n tree	s and downed	51/2S New Prague Scott County	1	3:35PM					ļ		Funnel Cloud
Mankato Vicinity	-									Vicinity Medford									
Blue Earth County	15	4:40PM	-	-	0	0	4	0	Lightning	Steele County	2	12:27PM							Several Funne Clouds
	Well kite	ripped a	part b gh plu	y light mbing,	ning damag	strik ing e	e. Ci lectri	rrent cal e	surged into uipment and	6SW Faribault									
	knoc by t	king out olt struc	phone k two	service cars an	. Ce d tra	ment iler	well of	over 1	uipment and lasted apart well, broke	Rice County	2	12:40PM							Funnel Cloud
	two	windows i	n anot	her tra	iler	and b	lew do	or of	nearby shed.	8W Minneapolis Hennepin County	2	1:10PM							Funnel Cloud
Near Campbell Wilkin County	26	5:30PM	-	-	0	0	4	4	Wind	2NE Freeborn	١.								
•	Wine	s of 60 m	ph or	more wi	th ha	nil ar	d thre	e inc	es of rain .	Freeborn County	4	5:38PM							Funnel Cloud
		ed consid								4N St. James Watonwan County	9	5:16PM							Funnel Cloud
Ottertail County					1	l		1	:	Near Fergus Falls									
Wadena County Southern Cass County										Ottertail County	9	8:30PM							Funnel Cloud
Crow Wing County										3N Parkers Prairie Ottertail County	9	9:19PM							Funnel Cloud
S. Fergus Falls 1E Wadena	26 26	5:35PM 6:45PM	18 5	8 *1/2	0	10 0	6 5	5 5	TORNADO	Fergus Falls	١			ĺ					
Near Pillager North Long Lake	26 26	6:50PM 7:29PM	30 1	400 *1/4	0	1 12	5 6	5 5		Ottertail County	16	7:20PM							Funnel Cloud
	Torr	ado leave	s path	of des	ruct	ion s	kippir		85 miles through	Roseau County	27	2:25PM							Funnel Cloud
	Cent	ral Minne e the oth	sota. er сап	One st	orm c	ame f	ron no	rthwe	t of Fergus Falls	Near Hammond]								
	in a	narrow p rtail Cou	ath 18 nty wi	miles th stro	ong. ng wi	Con	sidera nd few	ble da	mage over much of firmed sightings path one mile	Wabasha County Gladstone Lake	27	4:10PM					İ		Funnel Cloud
	of i	unnel clo of Waden	uds. a dest	The Tor	nado town	next	cut a	short s, ba	path one mile	Crow Wing County	27	5:08PM		1					Funnel Cloud
	Pill	ager were	all b	ut dest	royed	llas 1	Ibrnado	skip	ns, corncribs, all farms near bed northeastward.	13S Rochester Mower County	27	5:49PM							Funnel Cloud
	l On 1 v	one iniu	tv ren	brted w	1th c	onsid	ierah 16	dama	e to trees Brainerd, was	1W Austin	"	3.491,4						ļ	rumer croud
	trai	to recei lers, boa	ve the	wrath motors	of th rece	e sto	most o	esort ismage	owners, campers, but also	Mower County	27	5:58PM					İ		Funnel Cloud
	Cour	ty-wide w	ith tr hore I	ees and ong Lak	powe e est	r pol	les dov	n. Re	sort owners dollars damage.	North Branch Chisago County	27	7:45PM			1	į	•		Funnel Cloud
	The is u	possibili mconfirme	ty of d. Wi	secon nd dama	d Tor ge wa	nado s ext	in Nor ensive	thern	Crow Wing County	Barnum Carlton County	27	7:47PM							Funnel Cloud
	crop	s. A bro lousis	ken ar	th, head	and	neck	injuri	es we:	re the two most	Sall Source	"								
3N Perham										111001001777									
Ottertail County	27	1:30PM	-	-	0	0	4	0	Lightning	MISSISSIPPI									
		le Pine L from lig				tent	s tota	ally de	stroyed by	Hancock County	1	7:30 PM			0	0	3	0	Tornado
3S Moose Lake											l sou	thwest of	Lakesh	dre in	doast	al Ha	ahcock	County	nsley community One utility
Pine County	27		-	-	0	0	4	0	Lightning		was	lifted, t	ssed	d hundr	ed fe	ėt, i	and des	troyed	Damage less
	Lake	home and troyed by	conte	nts, in ing str	¢ludi ike f	ng va	uab le	antio	ques, totally	Pasagoula,								_	
										Jackson County	3	3:30 PM			٥.	0	0	0	Funnel Cloud
10NW Minneapolis	,,,	6,4504			0	_			M2 - 4		A f	unnel clou wn, but re	d was port o	sighted ame fro	n Jac	kson	count;	rasago y Civil	ula. Observer r L Defense.
Hennepin County	30		1			0	4	0	Wind	Gulfport,									
		exposing	upsta	rs ro	ms to	tor	rents	of rai	ff residence n. Heavy	Harrison County	4	9:10 AH			0	0	0	0	Funnel Cloud
	gam	age to int	erior	and hot	seno]	ւր էս։	mıshi	ugs.			A f	unnel clou illes north	neast o	reporte the	o by	rt a	narris irport	novin	nty Civil Defens north.
										Horn Island,					_				Wat
		1		1					,	Jackson County	5	7:20AM			0	0	0	0	Waterspouts
											Isl	and moving	west.	. At 7	:25 AI	i a f	ishing	vesse	just south of H 1 reported five
											1 -	erspouts							

AUGUST 1977 ESTIMATED1 DAMAGE NO. OF PERSONS ESTIMATED! NO. OF PERSONS TIME - LOCAL STANDARD WIDTH OF PAT (YARDS) WIDTH OF PAT (YARDS) LENGTH OF F CHARACTER CHARACTER LENGTH OF (MILES) PLACE OF STORM PROPERTY PROPERTY OF STORM KILLED INJURED KILLED CROPS CROPS DATE MISSISSIPPI (continued) NEBRASKA (continued) Coldwater, Tate County Lincoln County 3 9:30 PM 0 Damaging Winds 0 15 2:30 PM 0 0 0 Tornado and Hail Strong gusty winds and hall damaged irri systems, windows, drops and trees in the Wallace area. gatio near the Coldwater A tornado was sighted by the Coldwin Airgort as it touched down briefly was reported. Clay County Damaging Winds and Hail One inch hail and 50 to 60 m.p.h. MISSOURI crops, trees and windows in E 4 llam-2pm ? ? 0 0 4 0 Lightning A two-story house in Hardin was extensively damaged by fire started by lightning. A tolt of lightning struck the Woodson School, knocking out an emitre window, including the frame, and breaking the glass in nine other windows of the building. Ray County Late Evening Early Theyer County 0 0 5 Tornado 7 5-7pm ? ? 0 0 0 4 4 Severe Thunderstorm Missouri late in the afternoon, Strong winds downed over lines, trees, and tree limbs, and blew out windows. Lightning caused power outages and struck a barn on a farm west of Philadelphia causing a fire which totally destroyed the barn and its contents. Colfball-size hall broke windows and dented siding, mobile homes, and care. The Centralia Country (lub's gdl greens were heavily damaged by the hail. Many acres of soy beans and corn were destroyed. Boone, Macon, Marion, Monroe, Randolph, and Shelby Counties Morning A turnado touched down 3 miles north and 3 and 3/4 miles west of Chester, destroying a large barn, double garage, a corn crib, an moved a stock tank a eighth of a mile. Crops surrounding the buildings were no damaged. Clay and Theyer Counties 6 Damaging Winds 8 9-10am ? ? 0 0 3 0 Wind
String winds in a thunderstorm struck the towns of Fairfax and
Rock Fort downing trees, thee limbs, and power lines. A threeinch thick concrete slab, nine by ten feet was blown off the top
of the elevator shaft at the Pleasart View Rest Home in Rock Fort.
Windows in two rooms on the home's southwest conner were blown in
causing the ceilings of the rooms to fall in. Extensive damage
was idne to a doublewide trailer in Rock Fort when its room was
blown off. The saming at the Rock Fort Country Club, made of tin
and lumber, was blown off, and windows on one side of a van belonging to the Rock Fort Telephone Company blew in and were
shattered. Evening to Early Atchison County Morning Strong winds and hail up to an inch and a half damaged a 30 mile long strip and 9 miles wide from the northwest of Harvard diagonally towards Davenport. In the Davenport area trees and power lines damaged along with 2 grain bins. Morrill County 3 PM Narrow 0 0 Tornado down briefly doing no dama 8 6-8pm ? ? 0 0 0 3 3 Hail Golfball-size hail caused much damage to crops in the Dearborn area. Tobacco was the crop hardest hit. In some fields, the leaves were entirely stripped off, and some stalks were actually cut at the ground, Several people reported dented cars as a south west of Bridgeport. North Platte County Cheyenne County 4-5 PM Short Narrow 0 0 ٥ A funnel cloud sighted just north of Dalton dipped down choce stirring up firt in an open field. One and a half inch hail also fell in Dalton from this storm. 0 0 St. Louis County 9 2:30-4:30 ? Harlan, Franklin 4:30 AM 3 0 Wind 0 ۱۸ Damaging Winds pm mg wind in s and broke and Kearney -5:30 AM ong wind in a thunderstorm downed numerous trees and power as an broke some windows throughout the country. The roof of business in Overland was damaged, and the sign of another these in the same area was blown down. Counties Strong gusty winds 70 to 10 m.p.h. moved eastward as a line causing considerable damage to buildings and crops. Several travel trailers were rolled over. The Hildrith, Wilcox, Upland, Alma and Orleans areas reported the most damage. 200 0 0 16 6:20pm 3 Christian County A mini tornado touched down in a timber area on the Jim Smith farm 22 miles southwest of Clever, uproofing nearly all the trees in its path and destroying one out-building. If them traveled northeast through a comfield and dissipated 2 miles west of Clever Dawes County 6:26 AM Damaging Winds Vinds gusting to 81 m.p.h. occurred in hadron area damaging trees and roofs. MONTANA NONE REPORTED Gage, Johnson, and 8:30 AM 0 4 6 Damaging Winds Nemaha Counties 9:45 AN A line of strong winds up to 75 m.p.h. soved eastward causing considerable damage to trees farm buildings, homes and grain bins in the Beatrice, Technseh Auburn, and Peru areas. NEBRASKA 1 4:35 PM 0 0 0 0 Funnel 1 observed 3 miles Dawes County 9:45 PM -10:15 PM n 4 Damaging Winds and Hail Phelps County 3 12:15 AM 0 0 5 0 Lightning Hail up to 1 inch and winds gusting to 61 m.r.h. damaged roofs, trees and windows in the Chadron Scottsbluff County area 5:16 PM 0 3 Damaging Winds, Cherry County 10:40 PM ٥ 4 Damaging Winds Gusty winds to 70 m.p.h. broke windows, damaged cr miles west of Scottsbluff and half inch ail Strong gusty the Merriman Box Butte County 5:30 PM Hail Keith County 10:46 P 0 0 4 0 Damaging Winds 6:35 PM Winds up to 60 m.p.h. were ob one and a half inch to two and three-quarters nch hail damaged windows, roofs, corn, millet, und beans 7 to 10 miles southwest of Alliance and & miles south of Hemingford. Boyd County 12:15 AM 0 0 Damaging Winds Strong winds 85 to 100 m.b.h. moved across the county damaging crops, windows, doors, chimneys, trees, signs and roofs. A greenhouse was totally destroyed. Residents reported it as the worst wind storm ever seen due to the fact that the wind blew so long. Damaging Winds and Hail Thayer County 9:30 PM 0 0 3 nd three quarter inch hail and strong damaged trees and crops in the Davenp and three winds 0 0 0 0 Funne1 A funnel was sighted 5 miles porthwest of Ashland.

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PLACE		TIME - LOCAL STANDARD	H OF PATH LES)	OF PATH		SONS		AGE	CHARACTER OF	PLACE		TIME - LOCAL STANDARD	H OF PATH LES)	WIDTH OF PATH (YARDS)		SONS		MGE	CHARACTER OF
	DATE	TIME	LENGTH OF	WIDTH OF PAT (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM		DATE	TIME	LENGTH OF F	WIDTH (YA	KILLED	NJURED	PROPERTY	CROPS	STORM
NEBRASKA (cont	tinue	ed)								NEBRASKA (cor									
Sherman County	15	3:30 PM			0	0	0	0	Hail	Colfax County		3:15 PM		(-	0	0	5	l	Damaging Winds
		inch hail City.	was	reporte	8 b	mile	east	of			power	estimat lines a	ed at ed win	dows i	n the	Sch	ed tr	es, area.	
Platte County	15	5:30 PM			0	0	0	0	Funnel and	Scottsbluff County	24	3:45 PM			0	0	0	0	Funnel
	Gust	-6:00 PM y winds u	n to	63 m.n.	h. w	ere i	ecord	ed in	Severe Thunder- storm		A fur	nel clou sbluff.	d was	observ	ed 3	mile	s пот	h of	
	the A fu	Columbus nnel was	vicin sight	ity wi1	th no	rep	rted	damage		Morrill County	24	4:20 PM			0	0	0	5	Hail
İ	east 15	of Colum	ibus.		0	0	4	0	Damaging Winds		Hail north	up to 1 of Baya	und 3/	4 inch	dama	ged	crops	8 mil	es
		ng winds	in th	e Auror	-					Morrill County	24	4:30 PM	Short	Narro	0	o	4	0	Tornado
	and	roofs.									A to	nado tou of Dalto	ched o	lown br	iefly mac	v 10	miles	north	-
York County	15	7:30 PM -8:30 PM			0	0	4	0	Damaging Winds		up t	tees.					Janea		
		ng winds s, a traí								Dawes County	24	5:08 PM			0	0	4		Damaging Winds
	the	Henderson	and	York an	eas.						the i	gusting Chadron a	to 61	m.p.h using	some	e re	porte dama	d in ce.	
,	15 4 mi	8:30 PM				0	4	0 Duina	Tornado	Dawson County	24	Bvening	ĺ		0	٥	5	0	Damaging Winds
	a se	ni tornad ction of building	a roo	f then	vacu	umed	out p	art of				ng winds ge to so						sing	
	20	3:00 PM			0	0	0	6	Hail	Cherry County	26	3:17 PM		-	0	0	0	5	Hail ,
	Hail	-3:15 PM up to 1									Hai:	-3:45 PM	and 3	/4 inc	h fel	1 ju	st no	rth of	
		and up t				in t	he Ri	verdal	e		of '	and 12 and 12 alentine	niles . Som	north e crop	to 12 dama	mil ge w	es no:	theas	t •
_	20	3:35 PM			0	0	3	0	Damaging Winds	Gage County	26	10:30 PM			0	0	4	4	Funnel and Hail
	Wind tree	s gusting s in the	to 6 River	0 m.p.h dale an	ea.	d mir	ior da	mage 1	0		nor.	up to 3 heast ac							to
Platte and Buffalo Counties	20	3:50 PM -4:15 PM			0	0	0	5	Hail	Kearney County	wa.5	sighted.			٥	0	0	4	Hail
	Hail	up to 1								Realitey Wallty		inch hai	l dama	ged cr					
		mbus area ney area.		e damag				ulted.		Buffalo County	30	4:30 PM	Short	Narro	4.0	0	0	0	Tornado
Sheridan County	20	5 PM			0	0	o	6	Hail			all torn heast of						miles	
	half	e-quarter mile wid	e and	extend	ing.	18 mi	les t	b the		Adams County	30	5 PM	1	Narro		0	0	0	Tornado
		ap substa corn was			soyb	eans	were	shell:	d			rnado di nd near						the	
Saunders and Lancaster Counties	20	5 PM to 5:32 PM			0	0	5	6	Damaging Wind	Hall County	30	5:13 PM		w doin	0	0	0	5	Hail .
	Wind Linc	s gusted pln, Raym	to 70 ond a	m.p.h.	in lowin	the V	alpar rs an	aiso,			One	to 1 and		nch di	amete	r ha	il co	vered	
	wind limb	ows from s down.	house Corn,	soybea	ns.	nes a	nd tr lfalf	ee a			the crop	ground 3	miles	north	of W	ood	River	damag	ing
		n down an	d pou	ngen ir	0	ne gr	ouna. 5	1 .	Hail	Hall County	30	5:50 PM -6:35 PM			0	0	0	5	Hail
Counties		-6:15 PM					-	,			One sou	to 1 and hwest of	3/4 i Grand	nch ha Islan	ll fe	11 3 agin	mile	west	and
	a 15	1½ to 2 mile sec	tion:	n nort	theas	: Way	пе Со	unty	l i							•			
ŀ	Conc	a strip l ord passi ng betwe <i>e</i>	ng 1 1	ile we	st o	Wak	efiel	dand		NEVADA									
·	thou	sand squa greenhou	re fe	t of g	lass	was	shatt	ered		Ruby Mountains	13	UNK Flash	floodi	ng on M	O cCuto	0 heon	0 & Gill	0 ert Ci	Thunderstorm eeks.
Douglas County		7:50 PM -8:00 PM			0	0	4	0	Damaging Winds	Cave Lake (10 miles SE of Ely)	19	1520 Touche	UNK d grou	UNK nd and	0 broke	O up.	0	0	Tornado
	Wind	gusts to	67 m	р,ћ, п	oved	acro	ss th	e		Ely	19	1520	-		0	0	O Fly b	0	Thunderstorm Observer.
	nort)	ern port ty lines	ion o	Onaha	dama	ging	tree	s and		Ely	19	1753			0	0	0	0	Thunderstorm
														louds w west-n					server
Washington County		7:50 PM			1	0	6	1	Tornado	Ely Area (White Pine County)	20	15-1700 Severa] flac	h flaa4	0	0	5 morted	0	Thunderstorm area.
	Aırp	rnado tou ort (3 mi t plane h	les n	orth of	f Bla	ir) d	J amagi	ho an		, soundy)		Roads delay.	were c Hail	losed a 4 inch	nd th es de	e rai ep wa	lroad s rep	had a	12-hour by the
	airp	lanes. T	he ha	ngar ex	colod	ed b1	lowing	out		Lamoille	20	OIC at	WSO E	ly on a	road	nort	th of I	ly.	
		1	1	1	1	1 -			1	Lamorrie	20	1600 Over o	ne inc	h of ra	. U	. با	1 3 ch	0	Thunderstorm
	24	4:15 AM			0	0	0	5	Damaging Winds			closin	g SAVA	ral ma	ds ·	The	oad +	the "	iain
Harlan County	Hail	4:15 AM up to th pated at	ree-q	arters	of a	an in	ch an	d Wind	and Hail			closin	g seve	ral roa area w	ds.	The :	toad to	the n	ain

			r	Ι	NO.	. OF	ESTIM	(ATED†	<u> </u>		Ι	ی	I		NO	. 0F	ESTIM	ATED†	AUGUST 197
		OCAL	PATH	¥_		SONS		AAGE			ĺ	oca1	PATH	¥_		SONS		AGE	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	NJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NEW JERSEY										NEW YORK		,							
Prospect Park, Bergen	6	4 p.			1	0	0	0	Lightning	COASTAL Rye, Westchester Co.	6	3 p.			1	0	0	0	Lightning
Co.	A ma	n was str	uck an	i kille	d by	a bol	t of 1	Lightni	ng. The lightning		A 11	feguard wa	sstr	ck by ;	light		1	ĺ	nning from the
	unde	r which t	he vic	tim was	work	ing.	a gars	sge and	then to a car.	East Meadow, NassauCo	ł	h area to 5 p.	the c	lubhouse			0		
Leesburg, Cumberland Co		9 a,			0	1	4	0	Tornado	, 1445	L1gh	tning inju	red 1	and kil	2 led :	2 4 4 n	Eisenh	0 ower P	Lightning ark when they were
	mobi	le office 0, 0, 1.	cned d s, dam	own at aging s	tne s evera	tate l bui	prisor Idings	and i	demolished two njuring one man.		PICK	nicking.	A rew	minutes	late	dr an	off-d	thr no	iceman was injured to the park.
Brick Twp., Ocean Co.	14	11:30 a.			2	0	0	0	Lightning	New York City	7	р.			0	5	0	0	Lightning
	A ma	n was kil room wind	led by ow and	lightn hit hi	ing w	hen a	bolt s shav	passed	through the A second man		Five stor	persons w m moved ac	ere st ross t	ruck by he park	ligh	tnin ng t	in C	entral ernoon	Park as a thunder- hours.
	was	killed by ers.	light	ning wh	en he	left	his c	ar to	aid several										
										NEW YORK CENTRAL									
NEW MEXICO				ļ			ļ		1	ALBANY, SCHENECTADY MONTGOMERY AND SARATO									
Near Causey, Roosevelt County		5:14 p.	1			_	0	0	Funnel Cloud	COUNTIES		2:30P-3:3					500	3	THUNDERSTORM
		line pilot well.	repor	ted sig	hting	rum	mer cr	000 80	n.m. ENE of		brok suff	en, corn a ered minor	nd ton damag	ato cro e due t	ps we	re r	ined o	nd mar	f glass were y automobiles red up to one piled up to
Albuquerque, Bernalillo County	8	5:00 p.			1	1	0	0	Lightning		5 to	6 inches	deep o	n the g	round	1. L:	ghtni	g and	strong winds
		killed by recovered		ning st	rike	in c	ity pa	rk. I	fant son injured		line	througho	ut the	area.	Oute	ges (ue to	downe	trees and power
Lordsburg, Hidalgo County	11	Evening			0	0	?	?	Heavy Rain, Flooding	ONEIDA COUNTY	14	2A	, ,	41. 6.	2	2	0	0	LIGHTNING
	Up	to three i	inches	of rain	caus	ed m	ajor f	oodin	g. Considerable pps, and roads.		stru Two	ee Center ck a tree teenage bo	and tr	aveled d from	nty, along elect	the	ground	inder	torm, lightning camping area. others were
	Fai	lure of a	retai	ning dil	e cor	trib	uted t	exte	nt of damage.		[inju	red by the	light	ning.	Two d	ogs v	ere ai	so ki	led by the same
Albuquerque, Bernalillo County	13	4:30 p.		ohtnin	0	1	0 vived	0	Lightning panions and	HERKIMER & ONEIDA COUNTIES	29	5:30P-6P			0	0	3	0	THUNDERSTORMS
		pitalized.		ignenin			11.00	,			Wind	s up to 50	мрн,	hail ar	ound	one :	nch 1	diam	ter and lightning
Ruidoso, Lincoln County	16	?			1	0	ount a 1	neide	Lightning killed when struck		Mino	flooding	was r	eported	in t	he no	rmal :	lood p	nd powerlines. rone areas and d damaged by
		lightning		e was i	iurng.		,					tning.							
Near San Jon, Quay County	17	6:45 p	atabr		0	0	0 try of	0	Funnel Cloud	NEW YORK									
Zuni, McKinley County		nel cloud Evening	SIGNE	THE LEW	0	0	4	?	Rain, Flash Flood	WESTERN Cattaraugus and									
	Hea	vy rain ca d constru	used:	Zuni Ri	ver to	o ove	rflow.		ty homes damaged.	Chautauqua Counties	5-6	night Heavy thu	nderst	orms ar	O d fre	adneu. 0	5 ligh	0 ning	Thunderstorm and Flash Flooding
Lovington, Lea County		[CONCLED			4	?	Wind Rain			left 1,00 flooding 150 campe	occurr	ed in A	llega	no po	wer. tate P	lash ark wh	ere
	Hig	h winds,	appare	ntly as	socia	ted w	ith a	thunde	rstorm, caused lly constructed	Niagara, Genesee, Erie Counties	16- 17	night			0	D	5	0	Thunderstorms
		ldings, m										destroyed	one t	arn and	dama	ged :	a gara	be. L	ong winds which ightning caused
Colonias, Guadalupe	28	Afternoon			0	0	?	?	Heavy Rain,			of rain r	esulte	a o,uuc ed in sc	me m	uot	power Floodi	ng.	. Two inches
County	Appl	- Night				ļ.,		0 1	Flooding	Niagara County	22	Afthoon High wind	ls and	waves o	l apsi:	O eda	0 motori	oat o	Strong winds ff Town of
	smal Dama	ll communi ge likely	ty of small	Colonia due to	s by lack	washi of s	ng out	and f	period isolated looding roads. Consequent flooding			Somerset	on Lar	e untar	10,;	one (man dr	owned.	
	on I	ecos Rive	r wash	ed away	cons	truct	ion e	uipmer	t and some small	NORTH CAROL	INA		SEE 6	ND OF	TAB	LE			
Ft. Summer area, De Baca County	29	Morning		İ	0	0	?	?	Heavy Rain, Flooding			1							
	Rair	s of 2 to	4½ in	ches ca	used	flow	as hig	h as 8	to 10 feet down	NORTH DAKOT	A								
	bani	ally dry s for sev	waterc eral h	undred	unto yards	and	caused	aligh	River overflowed t flooding damage.	Amenia	9	6:40 pm	 7/4 in	 ah in d	0	0	0		Hailstorm
Near Ruidoso, Lincoln County	30	11:30 a			0	0	0	0	Funnel Cloud	Fargo	16	4:55 pm			0	0	0		ported. Windstorm
Velarde-Alcalde area,	30	1:00 p.	- ebort	eαυy p	0	0	iles a	outhea ?	st of Ruidoso. Rain, Hail,		Wi	nd gust to	58 mp	h. No	damag	e rep	orted.		,
Rio Arriba County	н		hear-	rate			44		Flooding	Mount Carmel area	19	6:30 pm			0	0	0		Hailstorm ·
	crop	damage a	nd ext	ensive	soil	erosi	on and	road	etable and fruit damage. Hail nches in diameter.		ne	ır Mount Q	arme1.	Most	of th	e dar	age wa	s conf	many farmers
	`						* 1			Grand Forks AFB	mi 19	le wide by 8:47 pm	9.0 m	11es 10	ng st O	rip #	est of		Carmel. Windstorm
											l I	nd gust to	62 mp	h. No					
										Ellendale area	26	3:00 pm			0	0	4		Hailstorm Windstorm
J	١	ľ	I		J	i			1	T .	l Ì	ļ						j	HINGS COIM

		OCAL	PATH	HT4	NO. PER	OF SONS		ATED¹ AGE				OCAL	РАТН	4TH	NO. PERS			ATED†	
PLACE	. DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NORTH DAKO	4 1	1								OKLAHOMA (co	ntin	ued)							
	High	winds d	estroy	ed a tr	ai ler	hous	damage e and	d some knocke	area crops.	Near Oakwood, Dewey County	2	5:30 p.	8	?	0	0	2	0	Tornado
Gue 1ph		me hous :20 pm	es near	r Ellen	dale.	0		0	Windstorm		2 mi	les long	and an	ther s	trip	mil.	es in	length	rees in a strip with an estimate
							demol		a garage, and		trac		ximat	ly 4 m	lles				g of the damage ood and is
	broke	many w	indows						. 5,-6-7	Gage,	2	6:30 p.			0	0	0	0	Wind
Oakes	26 3	:41 pm			0	7	5	4	Hailstorm Windstorm	Ellis County	A wi	nd gust o	50 ki	nots wa	s mea	sured	at th	e Gage	Flight Service
		are thu	ndorst	L-	+b 70	mah	ماست	and a	6 Funnels	None Control			g a thi	inderst				1	uries were repor
	struc	k Oakes	injur	ìng sev	en pe	rsons	, brea	king :	ftball sized hail, umerous windows, Also the storm	Near Seminole, Seminole County	10	5:00 p.	tioman	use eli	C obtlu	l	3	0	Wind ong thunderstorm
	destr	oyed on	e home	and on	е пор	ile H	ome.	Six fi	mnels were a crops were		wind	s overtur	ned th	small	port	able	tin bu	ilding	in which she liv
	danag	ed by h	ail an	d high	winds					Flower Hill area, LeFlore County	13	4:30 p. 6:30 p.	-		0	0	4	0	Hail, wind
10S Bowman		:50 pm			0	0	0	0	Funnel		Hai]	up to 1	L/2 in	ches in	diam	eter	caused	prope	rty damage. The
Near Great Bend		mage re :30 pm		?	0	0	4	4	Tornado		tree	s. Light	ning s	rikes	damagi	ed el	ectric	al equ	w down several ipment. Four an
		do ar i	c+-n	wind-	hl~:		ha =====	down	Windstorm		a na	lf inches	or ra	in was	ecor	ued 1	pr a 45	minut	e period.
	damag		build	ings, k	illed	seve	ral pi		n four farmsteads, d uprooted trees.	Tulsa, Tulsa County	16	5:00 p.			0	4	2	a	Lightning
Lidgerwood	1 1	:40 pm			0	0	4	0	Windstorm	- sourcy	Four	men were k with whi	mildly	injura v were	d whe	n li ng.	the d	stru	k a concrete n the cab was u
. •	,	stand 1	eveled	by hig	h wir	ds.					inju The	red. All man holdin	four n	en near	the	truc	k were	knocke	d to the ground to receive bur
Wahpeton	26 4	:45 pm			0	0	4	0	Windstorm		mark								
					. 12		.1 1.1		Heavy Rain	Moore, Cleveland County	16	6:00 p.			0	0	5		Wind
	into	cars.	s down Street	ea powe s were	f 100d	es ar	heav	rain:	ge dumpsters		Broa	ng thunder dway Avenu	e from	NW 18t	h to	NW 2	th. :	ix bus	age along inesses sustain lifteen to 20
								ļ			resi	dential ho	mes su	stained	minc	r da	nage,	ainly	to roofs.
OHIO	5 43	0 A			0	0	4	0	Lightning	Beaver County	19	12:00 a 6:00 a.			0	0	5	0	Flash Flood
Hancock County			er nas	sed thin					th lightning		Heav	y rains me	asured	unoffi	ciall	y at	3 to	inche	s fell on
	str ke	s ignit	ing 3	fires	doing	cons	iderat	le dan	age.		of t	he county.	Four	bridge	s wer	e wa	shed o	it in o	n districts 1 and Histrict 2. oth districts wer
Tuscarawas County		0 A			ו	2	3	0	Lightning			nsively da				au s	ECCION	111 50	och districts we
	30-yea	r old m	an and	injuri	hg th	e oth	er two	g frog men.	s killing a Lightning strikes	Duke-Martha areas, Jackson County	19	2:00a 7:30 a.			0	0	5	0	Flash Flood
Lucas County	10 7A	gnited 1	o smai	Tires	וחנ	ne co	unty. 1	0	Lightning		Unof	ficial rai	nfall	measure	ments	of	to 7	inche	in the area NE
Eucas councy	1 1		Tole	do man	1	1		1	by lightning		Appr	pximately	a doze	n homes	were	flo	oded to	oj a dej	ia community. oth of 1 foot of tha area were
	whi e	playing										ily damage		and br	luges	111	ille Da	e-riai	.na area were
Columbus Area	11 63	10 P			0	1.	4	0	Heavy rain, high winds	Near Vance AFB, Garfield County	23	1:45 a.			0	0	0	0	Hail
	A thun	derstor	n with	winds	to 80	mph	and he	avy r	ins damaged umber of trees			up to 3/4 amage was			eter	fell	west	of Van	e Air Force Base
	and ut	ility p ng a 24	bles.	A tree	fell	on a	parke	d car	in Rhodes Park	Near Enid, Garfield County	23	1:50 a.	1	50	0	0	4	0	Tornado
Toledo Area	16 45	-			0	0	5	0	Funnel Cloud Aloft	Garriera Councy	Thous	ing area d	f Perr	v Acres	1. a si	hort	dista	nce we	the residential at of Enid. Two
									and high winds		home	s, a boat age sheds	and a	car wer	e dan	aged	A b	arn wa:	unroofed. Thre
	damage		dings	and tr	ees.	The	Toled	i Poli	g winds doing de Department										
Clermont & Brown	21 4			1000 01	0	0	° ₆	c	Hail, Heavy rain,	Near Pond Creek, Grant County	23	8:30 p.							Funnel Cloud
Counties									high winds	orane obtainey	Thre	e to 4 mil	es wes	t of Po	nd Cr	eek.			
	Brown	countie	s. Hi	gh wind	ls in	the s	torm (damage	and southern d buildings and	Near Snyder, Kiowa County	24	11:10 p.			0	1	4	0	Wind _
	as gol	f ball	size d	amaged	a nun	ber o	f bu1	ldings	g. Hail as large and destroyed inches deep during		was	concentrat	ed in	an area	appr	oxím	ately .	mile	area. Damage south of Snyder
	the st		J'' '''	стора.	11011	Pine	up.		menes deep during		mobi	le homes a	nd a t	arn wer	de des	troy	∳d. O	ae mob	ped over. Two le home, several poles were
OKLAHOMA												ged.							-
Near Holdenville, Hughes County		4:15 p.			1	1	2	0	Lightning, wind										
	a farm	pond at	proxi	ately	nil 🎙	es ea	st of	Holder	fishing alone at ville. The man had										
	when 1	ightning	stru	k the	ree	and t	hen ap	parent	er a large tree ly jumped to the										
		A woman mobile						inju	red when the porch										
Goodwell area, Texas County	1 1	5:30 p.			0	0	3	4	Hail, wind										,
	Goodwe	ll area	High	winds	acco	pany	ing th	crop e hail	damage in the damaged a wooden										
		uilding																	

			_			00			 				_		T	٥-			AUGUST 1977
		жу	PATH	Ę		SONS		ATED1)CAL	PATH	Ŧ		OF SONS		ATED1	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KHLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
OKLAHOMA (co	ntinu	ied)	, i							SOUTH CAROLI	INA								
Cache-Faxon- Medicine Park, Comanche County	27- 28	8:30 p., 27th - 3:00 p., 28th			0	0	6	0	Flash Flood	Barnwell County, Barnwell	4	3:30 P.M. Lightning Company, homes.	cause	- d heav 1 as m	0 dame	0 sge t damag	4 o Gran e to s	tevil	Lightning le
	area floo tinu Rain	s of the valing in the ing downst	est Ca e area ream t	che and beginn o about Cache w	Blue ing a Coma ere n	Bear bout inche teasu	ver Cre 2 mile County red at	eeks c es SE Cott about	s in the damage aused severe flash of Cache and con- on County border, 5 inches where	Gaffney-Blacksburg Area	10	9:00 P.M. Severe the disrupting damage to	under:	ities,	as we	0 1 num	4 erous s mino	trees,	Wind, lightning, heavy rains
	stre dama mile cree nigh	et and mir ges were t s along We ks, downst t, many ve	or hom o abou st Cac ream f	e flood t 12 ho he Cree rom Hig and ot	ing v mes v k, Bl hway her r	as rohich ue B 62.	eported were : eaver, Since e prop	. Ma scatte and u the f erties	or residential red over several n-named tributary lood occurred at were not moved to land scour,	17 Miles South of Beaufort,	24 Lig cra	2:45 P.1 htning str bbing.		- mmercia	l l fi	l sherm	0 aun whi	0 e	Lightning
	Catt Nume fami A co smal	le and sto rous new l lies were unty bridge ler bridge	red ag omes v evacua e acro	ricultu ere flo ted. N ss Beav rous co	oded oded o dea ver C	acil to d ths eek	Lties epths or inj vas de nd roa	and the of 2 to the correct th	eir contents. 4 feet. Several were reported. d, along with a acing. A crane construction site	SOUTH DAKOT		Evening	6	*1			3	5	Hail, Rain, High Winds
, •	of a plan the buck heli	major br: t. An elo rising flo et of a fi copter (F	dge wi erly v od wai ont-er	ich wil oman re ters by id earth) from	ll se cove plac n load a kn	ve t ing ing h er. ill i	raffic Erom s er (o Six c n the	into urgery n a ma hildre common	the new Goodyear was saved from tress) in the were rescued via flood plain of	Catal County	near buil were	Chamberla dings were reported	in to damag at Puk	near Pu ed. Ha wana.	kwana	. C	orn fi	elds, se to	t six miles from trees and farm six inches deep
	phore conc estin	ing of the e to leave eived place ated that that	e 28th e their n, in the 1 been t	They mobile case of ast tim ne inte	had hom high wat	een and wate er wa	instru move r. An s that ain ir	cted b to hig older high Faxor	Faxon, during the y a parent, via h ground - a pre- person in Faxon was in 1935. Since, the first in-	Spink County	farm were	buildings broken. 1	dersto . Some	trees	were me po	dama wer	ed an utage	elan a da nu s. Se	Heavy Rain, Hail High Winds rea destroyed some mber of power poles veral reports of
	begi: moun mist: Lake	ion of tr ning arou tainside i ken to be Lawtonka	puble nd 7 a nto ba overf Dam.	was a f .m. At ck yard low fro At the	Medi s flo m Med end o	r mor cine oded icine	e rise Park I severa Creek storn	in local of residence of the contract of the c	rainage from the dences and was flowing of the lake had filled	Clark County	area 6	were dama Evening	ged co 20	nsidera *2½	bly.		3	5	rnfields in this Heavy Rain, Hail half mile path
Bixby, Tulsa County	28	10:30 a.			0	1	2	0	ge or releases. Lightning ik the roof at		abou	t twenty n ome houses	iles 1	ong. So	me gd	olf b	all si	zed ha	l occurred. Windo in and corn were
	the	orner of of the dry	a wash	house	build	ing w	hile s	he was	taking clothes	Kingsbury County	Hail Banc	roft areas	. Fend	es were					Hail, Strong Winds Spirit Lake and and some small
OREGON			NONE	REPORT	TED					Black Hills Area	8	Evening	1	*1		Bue			Large Hail
PACIFIC			NONE	REPORT	TED					Haakon County	occu ball		ster.						overed with golf Heavy Rain, High
PENNSYLVANL EASTERN	A .		NO RE	PORT I	RECE:	I VED				naukon councy	Wind	s gusting	from 6	0 to 70					Winds ip. Over three urring in less than
PENNSYLVANIA WESTERN		i								Jackson County		Evening	2 winds	500	home	s an	4 d sora		Hail, High Winds
Koraine State Park	waa r	unring bet	ween	amp sit	es.	Hosp	italiz	ed in	Lightning ghtning while he critical condition,	Brule County		adoka. Ca 10:15PM CDT					, 00, 3		Large Hail
Near Grove City	8 Cloud	ed four day ? touched	?	? r 2 mile	0	1 st of	? Grove	? City	Funnel Cloud/ Tornado at Glen Lake Es~	Bennett County	Marb 8	le sized f	ail wa	s repoi	ted	outh	of Ch	amberl	ain. Rain, Hail
	tates and t bever whed	, knocking wisting so al other l was lifted	a mol veral omes : l and	frames In the	e of A t	its vonan vere	found insid damage	ation, e the d slig	breaking windows nome was injured. ntly and a storage as deposited in the			and hail.							f the county due to buildings in vic-
Jefferson Co. (Valier)	midd1 29	e of a lai	ce.		0	3	?	?	Lightning	Yankton County	9 Wind	2:00 AM CDT s gusting	to 84	мрн осо	urre	i at	Gavins	Point	High Winds
	were	een-aged injured wi persons	hen li	ghtning	stru	ek th	e chai	n, kil	a dog to a tree ling the dog. All	Union County	9 It w	Early AM	d that	three		i			Heavy Rain t Elk Point during
PUERTO RICO			NO RE	PORT R	RECEI	VED				Grant County	16	Early Afternoon			M43h	ant -	nd sum	rqundi	Heavy Rain
RHODE ISLANI Coastal and western areas Matunuck Narragansett	17 Abot	After- noon it 15 buil the windo	dings w of h	were st er camp	o ruck. er wa	1 Au s sho	5 oman l cked t	eanino	Lightning	Hand County	repo 26	rts, only Early Morning	minor	damage	occu	rred.	4	4	Lightning
	by	the windo arm as sh . In Man Lightning. arts and	tunuck In N	, a lar arragan	ge ba sett	rn wa a 150	s dest 'tent	royed house	y ng			re lightn ales of a							destroyed a number

		r l	Ε			. OF		ATED†				4	E			. OF		ATED1	AUGUST 1977
		S _C	ратн	T T	PER	SONS	DAN	AAGE	CHARACTER			oc.	PA1	¥ (PER	SONS	DAN	MGE	CHARACTER
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
SOUTH DAKOT	`A (c	ontinued)				1			TENNESSEE con	ntinu	ed)							
Douglas County	27	2:00 AM						4	Lightning	Rogersville,	17	4:30 p.					4		Flash flooding
		tning str	uck th	ree hay	stac	ks in	an ar	ea wes	t southwest of	Hawkins County	A de	luge of ra	in wh	ch bega	n ab	out 4	30 p.	ended	at 8 p. as quickly
									Haarii Bada		Sevi	er Steam E	lant,	5 inche	oron	ag to	rain len in	that	at WRGS and John 3-1/2-hour period, er Branch out of
Moody County	30	8-8:30 AM CDT							Heavy Rain		i.ts	banks. Ho	uses s	uffere	sevi	re d	emage :	hen t	ney were flooded even femilies
		y rain re inches o							y of Flandreau.			forced to							icles were water
Brookings County	30	4-6 PM							Heavy Rain	Midway Section Cocke County	27	1:30 p.					4	4	Flash flooding
	Dwar	CDT	ivod	two incl	000	f rai	n in a	two h	pur period in the		liome floo	s, roads.	bridge in b	s, and th John	crops	wer eek	e heav	lly dar ker's	l naged when a flash Branch over flowing
		ing.	IVEG	two mici	E3 U	141	''' '		par period in the		thei Four	t banks, t inches of	aking rain	hunks o	ut of	the n le	roadw	n one l	ell as bridges. nour. A few homes
Brown County	31	Early Morning	30	*1			5	4	High Winds		had	up to four	feet	of wate	r in	them	at th	cres	of the flood. acco farmers.
	Stro	ng winds	ccomp	anying	thund	ersto	rms mo	ved ac	ross the southern										
	troy	ed three i	iles	west of	Warn	¢۲.	Many t	rees w	s. A barn was des- ere damaged in the ees and farm build-	TEXAS NORTHERN									
		were dam		CHECK A			4.00	7, 5.		Greenville, Hunt County	11	5:00 р			0	0	4	0	Windstorm
Codington County	31	Early Morning					?		High Winds	nane country	Sca sto	ttered wir	d dama	ge occu	rred a. S	in G	reenvi	le who	en a strong thunder s windows were
	A 1a	arge empty	fuel	tank in	sout	heast	Water	town w	as folded inward by ed in a power out-		bro	ken and at enna and u	least	one pa	tio (over	was d	stroy	ed. Television
	age	in a port	on of	West W	tert	own.			l l	Fort Worth, Tarrant County	12	5:00 p			0	0	3	0	Electrical Storm
Faulk County	31	Early Morning	40	*2			?		Strong Winds	Tarrane councy	Lig mov	ntning dan ed across	aged a Fort V	number	of t Power	rans lin	ormer:	as a down	heavy thunderstormed in many sections
	Str	ng winds	ssoci	ated wi	th th	under	storms	durin	g the early morning northern portion of			the city.							
	the	county.	The wi	nds fir	st oc	¢urre	epat u	ηπακα,	moving into the	Hico, Hamilton County	13	4:00 p			0	0	4	0	Windstorm and Flash Flooding
	Che	Isea. Gra	in bin	s were	destr	beved	at Wed	bta.	Power poles were pard, None of the		A s	evere thur	dersto	rm resu	lted . sig	in w	despre	ad win	nd damage in the were felled by
	repo	rts of to	nadoe	s were	verif	ied.	١.	1	'		est	imated 60 / heavy ra	to 70	mph wir	ds.	Some	minor	flood	ng resulted from
Day County	31 The	4 AM CDT	1	*1	trav	aled	across	the d	High Winds	3 SW Burkburnett, Wichita County	22	4:00 p			0	0	4	0	Electrical Storm
	des	proyed a b	arn no	thwest	of P	erpo	oht. I	lt cou	d not be establish-	wichita county	Lig	ntning str	uck ar urnett	d burne The	d two	oil al e	stora	ge tanl	s 3 miles south- the top of one
	1										of bar	he tanks rels of oi	150 fc	et away	. Th	e ow	ier of	the t	nks lost 300 ige was placed at
TENNESSEE				ĺ					[l i	,000.	c)					0	2 Tornadoes and
Harriman,	7	1:55 p.			1	3			Lightning	Corsicana area, Navarro County	22			Narrow Narrow	0	0	4	0	Hail
Roane County	Four	members o	E a H	rriman	famil	ly we:	e inj	ured w	hen they were a thunderstorm under		Cor	sicana. N	either	tornac	o la	ted	ver s	everal	miles east of minutes, but one
•	a tr	¢e. The f	bur w	re fell	led by	d the	light	nine b	olt as they stood ock the tree,		dam	ige to the	Lonn	e Rhode	s re	iden	e 5 m	les e	considerable ast of Corsicana. : 5:15 p.m. SKYWARN
	Knoc	later, un	pur o	them s	evera	III. te	gt. 17	he one	victim died eleven		spo	ters repo	rted 1	arble s	ize l	ail	in Cor	icana	The hail caused on northwest to
Chattanooga,	9	1:42 p.					5		Lightning			heast.					J 2 M 1 M 0		
Hamilton County	Ligh a th	tning stru	ck a r	ajor el	ectri	c pos	er bo	ard TV	substation during tend area. A large	Kilgore,	24	Afternoon			0	0	3	0	Electrical and
	nil- bolt	illed tra	nsform ed out	er, whi	ch bu	for a	into fi briei	lames of	hen the lightning	Gregg County	Too	lated ince	00000	of mine	n dae			ta	Windstorm I when a thunder-
Chattanooga,	12	7:30 p.	300	50 Ft.	1		4	ľ	Tornado		sto	rm moved a	cross	Kilgore	. S	raig	nt win	is pic	ed up a small cars in the park-
Hamilton County		11 towned	Ft.		ļ	.61					ing	lot of a ntning dar	discou	nt cent	er.	The	ouildi	ng was	destroyed. Minor
	and dock	ock facil	ities. Ing se	The t	viste in th	e upi	ooted dle o	an ent	ge to moored boats ire floating boat arbor. Another	Gatesville, Coryell County	24	3:30 p	1	*2	0	1	4	0	Windstorm
	dock	within 30	feet	of the	one t	hat w	as des	troye	was left in tact.	coryer county	Est: nea	imated thu r Gatesvil	ndersi le in	orm wir	ds o	75 lle l	o 85	nph cau	used \$20,000 damage miles wide. A
Wartrace, Bedford County	15	3:45 p.			1	12.3.6		l .	Lightning		lar dem	ge truck v olished, a	as blo	wn over iew hous	e une	rail ler c	er hou onstru	se over	rturned and received roof
	of a	local nur	ery.	lle was	one	þf 12	worke	rs pu	orked in the fields ling weeds and t tree nursery,		dam	royed in	barns the sa	were un me area	roof . T	ed an ne st	l nume: orm mo	rous s ved to	mall sheds were ward the southeast.
Knoxville,	17	P.M.			- 100	1] - "	11.01	Lightning	Wichita Falls, Wichita County	24	5:15 p	Short	Narrow	0	0	4	0	Windstorm
Knox County	A 23	year old	oman	vas str	uck b		htning	as st	e was taking		hom	e 5.5 mil¢	s west	of She	ppare	l Air	Force	Base.	60 foot mobile The mobile home
Jones boro,	cloti	es off a 4:10 p.	clothe	\$ line.			4		Plack (1)		was stop	in transi at the	t from	the fa	ctor f Hi	y and ghway	had be	en pa nd FM	rked at a truck 369. Witnesses
Washington County	ļ	1	nuch =	\$ 2-1/2	inch	es in		our fi	Flash flooding		and	the wind that the was \$10	st ruci	ure the	n se	ne ho	ne 5 to to exp	o te lode.	et off the ground Cost of the mobile
	locat flow	ed on the	easte esta	n end	of Ha	in St	reet.	Near!	ooded four stores y two feet of water		, roule	. mer. 210							
		1																	
									,		- '	,						'	

	\neg	<u> </u>	ŢT		NO. OF				<u> </u>			7	Į		NO.				d .	
)CAL	PATH	Ħ.	PER		DAM		CULDICTED			OCA	РАТН	HTA (PERS	SONS	DAM	AGE	CHARACTER	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	
TEXAS (continued	i)									TEXAS (continue	(d)								٠	
NORTHERN Pallas County	24	6:30 p~			0	0	5	0	Hail and Wind-	WESTERN	2	4:30P	10	30	0	0	0	. 0	Tornado	
Jarras Councy	24	7:00 p						Ů	storms	Northwest Hansford County	2		1/2					_		
	Sca	ttered wir	d dama	ige was	repo	rted	in Gar	land,	Dallas, DeSoto, thunderstorms	·		reported		a cown i	prier	TÀ TU	open	COUNCE	y. No damage	
	mov	ed across	the co	unty.	Heav	iest	damage	was i	n DeSoto where	7 miles northeast of	2	7:55P							Funnel Cloud	
İ	Dun	canville,	DeSot	, and t	South	Dall	as. H	ail kn bile.	ocked out the back	Panhandle, Carson Co.		Funnel c	loud n	eported	by D	epart	ment o	f Publ	ic Safety.	
	"	dow or an	Journ C.	, , , , , , , , , , , , , , , , , , , ,						Fritch, Hutchinson	2	8:30P	?	?	0	0	0	0	Wind	
ainesville area,	2.4	5:48 p-	15	*2	0	0	4	0	Electrical and	County		Wind est	imated	at 80 i	nph.i	No da	mage r	eporte	đ.	
cooke County	24	7:30 p	13	2	"	0	4	0	Windstorm	Lubbock, Lubbock	9	9:14P-	?	?.	0	0	4	0	Wind, Lightni	
	Str	aight line	thund	erstor	winc	s cau	sed s	atter	d damage in an	County		Wind to	i8 mph	downed	powe:	r lin	es ¢au	sing a	10 percent powe	
	off	of their	founda	tions i	n nor	thwes	t Gair	esvil.	homes were blown e. A patio roof			transfor	ers a	d tele	hone	Ligh pole	tning s, ign	also s iting	truck several small fires whic	
	dam	aged in th	e wind	swept a	rea.	Esti	mated	wind :	uildings were peeds were 60 to			caused or	ily mi	or dam						
		uph and wi							ightning set fire	El Paso, El Paso County	14	1:48P	?	?	0	0	0	0	Wind	
onham,	29	Afternoon			1	0	0	0	Lightning			Wind gus			serv	}	El Pa	so. N	o damage reporte	
annin County	Lig	tning str	uck an	d kille	a la l	exica	n nat	onal,	Garcia Mendoza,	Near Armey, Castro County	23	5:20P	1/3	20	0	0	a	a	Tornado	
	whe	n he sough ard. The	refu light	ge from	nath alt st	under ruck	storm the t	under ee an	a tree in a pecan then hit Mendoza Mendoza's body,	_		Small to	nado ·	touched	down	brie	fly.	No dam	ge reported.	
	bur	ing holes	in hi	s cloth	nès ar	d kno	cking	the so	les of his shoes	Northern Hale and Southern Swisher,	23	9:20P- 10:15P	10- 15	4-5 miles	0	0	0	7	Hail and Wind	
	off	The inc	ndent	occurre	et on	F10yd	Gibb	' ran	h near Bonham.	Counties		High win	s and	hail t					aused an estimat s in a strip 4 t	
	Ì				Ì							5 miles	ride a	nd 10 t	15	niles	lang.	i Ciop	b Hi a scrib 4 (
TEXAS SOUTHERN	ļ								ļ	8 mile South of	24	12:42A-	1/3	20	0	0	0	0	Tornado	
W NEDERLAND	5	7:00a			0	0	0	0	Funnel Cloud	Monahans, Ward County		Tornado	eport	ed by R	eves	Coun	ty She	riff's	Department, or	
Jefferson County		ted 4 mil			of Je	ffers	on Cou	nty Ai	inport by			the grou	id bri	efly in	open	coun	try, n	o dama	ge.	
	l	Arthur P	oliœ.						-			6.355	?	?	0		3	0	Wind	
DRT ARTHUR Jefferson County	7	10:05a			0	0	0	0	Funnel Cloud	El Paso, El Paso County	24	6:15P-]	orm caused many	
_	Sigt	ted over	the ci	ty by P	ort A	thur	Polic	e and	moved north.			power or	an est tages	and ble	ove	er fi	ue pow	er pol	s.	
IGHLANDS Harris County	7	3:30p			0	0	3	0	Damaging wind	Monahans, Ward	27	5:00P-	?	?	0	0	3	0	Wind	
-	Wind	estimate off the	d in e	cess of one h	of 50 couse.	mots	from	a thur	derstorm	County									reported. Police	
NGLESIDE	11	7:45a			0	0	0	0	Funnel Cloud			said a s			upm	opted	and s	ome st	nuctures suffere	
San Patricio County	Move	d northwa	ada.							Near Hartley,	31	7:08P-	?	?	0	0	3	0	Wind, Rain	
LORESVILLE	l	Afternoon			0	1	0	0	Lightning	Hartley County		7:40P								
Wilson County	i .	Ì	i	4-vear	ald b	ov an	d stur	1	veral others			between	Hartle	ey and (Thann:	ihg a	n Rout	e 385.	rain reported Winds blew a	
	whi.	e they we	e pra	cticing	foot	ball	at Flo	resvil	le High School.			power 1: the rais		whand n	ninor	high	way fl	ooding	was reported du	
EXAS CITY Galveston County	13	12:22p - 12:34p			0	0	0	0	Funnel Cloud		}					1				
Garveston Country	Sigt	ted near	Highwa	ys 1764	and	3 mov	ng no	rthwar	d.	UTAH			NONE	REPOR	TED.					
ALVESTON Galveston County	17	8:30a			0	0	0	0	Waterspout											
GAIVES (III) COUNTY	Sigt	nted by NW	pers	onnel o	wer w	ater	off of	East	Beach.	VERMONT			NONE	REPOR	TED					
ABINE PASS Jefferson County	18	9:50a - 10:45a			0	0	0	0	Several waterspouts	VERMONT			INGINE	KEFO						
certerson county	Sigi	ted offsh	ore so	uth of	Sabir	e Pas	s movi	ng no	th.							1				
AVACA BAY Calhoun County	18	11:50a			0	0	0	0	Waterspout	VIRGINIA						-				
cambun country		ited by th		ic 10 n	ules	north	west o	f Port	: OConnor	Trevilians (8 1/2 SW Louisa County	Ί		1	1	0	İ	4	0	Tornado	
	nov.	ing souur.									som	el 30 to 40	feet	into th	e air	and	tarry	ing it	two-story barn about 350 feet.	
N ROCKPORT	19	9:40a			0	0	0	0	Funnel Cloud		bar ing	n was ther sound as	compl he ra	letely d	emoli helte	ished er in	. Witne rearby	ess hea / shed	nd "terrific ro Narrow path of	
Aransas County	Sig	ted near	the A	ransas	Count	Ain	port.		ļ		dow	ned trees ediately b	was fo chind	und in barn wa	line s not	with t dame	the ba	arn. Ho Farm ho	wever corn fiel	
NW BAYTOWN	25	11:30a			0	0	0	0	Funnel Cloud		was	not touch	ad exc	ept for	mino	or dar	nige fi	rom sma	all debris. Loss	
Harris County	Sic	ted by ti	he pub	lic mov	ing n	orth-	northw	est.		Northern	1	1	1		1		3		Wind, Rain	
RANSAS COUNTY	29	9:05a			0	0	0	0	Funnel Cloud			1		when +	-		1 -		car as he was	
	Sig	nted betw	een Bay	yside a	nd Ro	ckpor	near	the c	auseway.		dri	ving in Ar Fairfax Co	lingto	Mine	rflo	odine	repor	rted i	low-lying sect	
lear TAFT	29	9:45a			0	0	0	0	2 Funnel Clouds	Mine Run (2E),	6						0		124	
San Patricio County			louds v	were ob	serve	abor	ut 4 m	iles n	orth-northwest	Orange County	ŀ	2:45 g	i			1	2	0	Wind	
	1	Taft.									SOM	e fences w	ere al	.ao dama	ged a	nd sh	utters	rippe	f at trunks, who	
lear MATAGORDA Matagorda County	29	11:10a		1.	0	0	0	0	Waterspout		tru	ck reporte	outy mo	ovled sev	eral	Hunda	ed fee	into	a field.	
-	1	orted by	the pu	blic ne	at Ma	1	1		1		1			1	1	1				
Near ROCKPORT	30	11:02a		1	0	0	0	0	Waterspout	f I	1	1	1	1	1		1	1	Í	

									, T	F			_			OF ESTIMATED			AUGUST 1977	
		CAL	PATH	Ē		OF SONS	ESTIM. DAM					CAL	РАТН	F		OF SONS		ATED [†]		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	
VIRGINIA (contin	ued))			[VIRGINIA (contin	nued)								
Shenandosh and Rockingham Counties	7	12:30 p-	1		0	0	4	0	Wind, Lightning	West Central	1.2	5:00 p	:		0	0	3	0	Rain, Wind	
	Two-	story stor	age sh	ed dest	royed	by v	rind or	orch	rd southwest of inside. Some 3,000		am	Plott Gemer	Coun	ties. C	itv o	r Ros	iboke r	enorte	et deep in Roancke a about an inch of	
	home	s in the t	wo-cou	nty are	a afi	ected	by po	wer o	tages due to		In	hristians	utes urg b	in some	sect	ions,	with	severa	l streets closed.	
Newport News area	7.	3:00 p			0	0	4	0	Wind		Str	nded. Fal.	ten tr	es caus	ed p	ower	failur	es to	around 1,500 homes	
	Brie:	; but pow	erful	squall	line	broug	ht wir	ds of	nearly 60 mph, with	City of Hopewell and Chesterfield County	12	Evening			0	0	4	0	Wind	
	Some	14,000 hc	mes wi	thout p	ower	for i	our ho	urs, v	Beechmont section. ith several homes a group of sail-	Chesterileid County	Str	& Night ng winds :	ashed	nine mo	bile	home	s in t	ne Gre	enleigh Park erea, I nearly eight feet	
	boat	taking p	ert in	a race	, one	had	its ma	st sna	pped and another		off	its founda	tion,	but two	occi	upant	unhu	rt. He	avy damage done to n total loss esti-	
Nr Richmond	l	Afternoon			0	,	3	٥	Lightning		mate one	d at \$25,6 at around	000 T 4 PM :	ro sepan	ate	vinds	torms	hit in	the Hopewell area, ith generally minor	
	Bedr	oom of hor	e in (Thesteri	ield	dama	ged who	n lig	hting struck trees,	7		ge reporte	d.							
	six-	inch hole	in the	wall.	In He	inric	Coun	ning y lig	ucts, blasting a thing struck the	Farmville, Prince Edward County	13 Wind	3:30 p s recorde	ahou	: 80 mp	0	Only	2	O demon	Wind	
Luneaburg County,	1	hey of hou Afternoom		ing abo	ut \$	300 di	mage.	0	Lightning	Fauguier County		Afternoon	abou	00 110	0	0	4	0	Wind	
Kenbridge and Victoria areas	ļ			0 burne	•	-			ng struck. Some		[tree:	repor	ed to	opple	d in L		ige area near	
(2000)24 42042	3,00 esti	0-4,000 be mated at a	les of	hay st	ored In a	insid	e als	dest htnin	oyed with loss hit two other		War:	enton. Fal	len t	ees cru le. Win	shed d al	a tr	ailer ok roc	and da	maged the roof of a tractor barn,	
	home	s in the o	ounty	damagir	g the	att:	le of	one an	setting a stack	Warren and Fauguier		wing alum	inum o	er a fi	[
Bedford and Carroll	8	Late			0	0	4	0	Lightning	Counties	15	4:00 p- 4:30 p		1 + V	0	0	1	3	Wind, Hail	
Counties			Huddle						fire. In addition, ulldozer, two		chi	kens, on a	farm	near Fi	ont 1	Royal	. Four	-passe	ng eround 1,000 nger airplane that er on its back with	
	truc		ar. L	ghtning	als	sta:	ted a	fire	in a school storage		los	estimated flatteni	at \$	6,000. chiner	Hail she	up t	o the	size o	f baseballs repor- chinery. Wind took	
Toms Brook (3W),	8	6:00 p		1 10.	0	0	0	0	Lightning		rep	rted alon	idenc with	scatter	Beti	pel a	rea an	of some	crop damage also m buildings and	
Shenandoah County		lightning	strik					irned	wo acres of wood-	Winchester (7W),	hom:	s in the 2:30 p	icini	ty.	0	,	,	0	Wind	
) `	in the th		urs be:	1			ained.		Frederick County	"Ex	remely his	h win	ls", last	ing	only	3 a few	minute:	s, lifted a small	
Lynchburg Vicinity	8 Pove	6:45 p	1	מינה המים	0	0	2 Calenh	0	Wind Le knocked down did		ishe	and sent d and cine	it sm	shing : k found	nto atio	commu n of	hity b buildi	uildin ng was	g. Shed was demol- cracked and its	
		minor da					стери	one po	Le Mocked down did		dam	partially ge about	вера: 2,500	nated fi	om ti	he up	per po	rtion	of wall. Estimated	
Crewe-Burkeville area Nottaway County]	7:30 p			0	0	5	0	Wind	Lynchburg Vicinity		Nr 4:00 p	seven	l fires	0 . hu	Ô t dam	2	0 homes	Lightning, Wind was minor. Wind	
	Brie		wind	estima	ted a	nea	r 60 m	ph cau	sed scattered light		and	lightning	also	aused [ower	outa	ges, e	specia	Lly in Boonsboro.	
Stafford and Northumberland Coun-	8.	Night			0	0	3	0	Wind, Rein	Richmond area	17	4:30 p-			0	٥	3	0	Rain, Lightning	
ties ties	Wind	gusts to ern Staff	50 mp	n downe	dtre	es, d	isrupt	ed por	er. Barn in north-		Up	7:30 p to 3 inche	s of r	ain rep	orted	in :	the Bo	Aira	rea, with some	
				1110							for	20 small	ng and fires	that di	read d onl	power y min	or dar	es. Li age.	ghtning responsible	
Fredericksburg	10 Metá	Midday L shed we:	ighing	nearly	300	0 pound	3 s lift	0 ed ove	Dust Devil r 7-foot fence and	Dugspur (8SE), Carroll County	21	5:00 p	1	30	0	0		l .	Tornado	
	dama	ged three uded \$1,0	vehic.	les as :	it fe	11 ba	ck int	o a pa	rking lot. Damage		It	as picked	up fr	om its	round.	ation	and o	omplet	28-foot oak barn. ely demolished,	
Roanoke and Bedford	11	6:00 p-		1		,	١.				the	exterior	of hom	₿ 200 f	eet t	b the	west;	one o	inch studs peirced f these pushed the ther 2x6-inch board	
Counties	ļ.	7:00 p	1	Otter d	'	*	evtent	0	Wind, Rain		was bar	impaled i was a st	h the ack of	ground lumber	some that	dista had	nce av	ay. Al	l that was left of	
	20 t	inutes al	so rep	orted i	⊉ vic	inity	. In F	banoke	,000 when wind tore of rain in about County storm hit		sou see	d was hea a funnel	rd by Dema	occupan ge esti	t of mated	nome at 4	and ne	ighbor ,000.	s reported to have	
	Roar	est in no oke City.	Falle	t porti n trees	on of	Vint damag	on and e to a	the s	butheast section of	Stafford County	24	Nr 1:00p			0	0	2	0	Wind	
	more	than 1,0	00 hom	es. Ano	ther	Roano	ke res	ident	ng power out to reported a well-		Str	ng winds than 50	associ rees	ated wi	h co	lđ fi Some	ont do	wned o	r twisted apart e in the vicinity.	
Caroline County	12	3:00 р	i	i	ppea 0	off t	ne roo	0	is house. Tornado	Campbell County	30	7:00 p-			0	0	4	0	Lightning	
	Goli	course p	ro sho	near :	Rappa	hanno	ck Aca	demy h	it by apparent		Hom	8:00 p six mile	nort	of Al	avis	ta bu	rned t	o grou	nd when struck and	
	feet	l tornado and depo	movi sited	ng SSW-1 on auto	TNE. des	One s troyi	ectio ng it.	of sho	p carried some 40 Pro, working inside		hom	on fire b	uladys	ning.	n an s des	pther troye	simil d.	ar inc	ident, a mobile	
1	juri	es, inclu	ding a	broken	shou	lder.	Anoth	er por	ed with multiple in- tion of the shop demolished, leaving	Bedford County	30	7:35 p			0	0	"	1	Lightning	
	thre	e occupan	ts sta	nding u	hurt	Tot	al dam	age es	timated at \$30,000.		Hom	e damage	hen 1	ightnin	fire gent	and ered	receiv	elect	erate fire and rical circuit,	
Stafford and King George Counties	12	3:00 p- 4:30 p			0	1	4	0	Wind, Lightning	Rockingham County	31	ing bedro		e.	0	0	3		Lightning	
1	abov	orthern S e ground	level.	Also ha	av ba	ro ne	ar Har	twood	snapped off just burned to ground		A 2	x20-foot	hed s	ruck by	lig	htnin	ng and	burned	, along with lawn	
	afte	r being s	truck '	by ligh	tning	los	s esti	nated	pround \$8,000. Near roke through the		mow	rs, garde	trac	ors and	too	is th	at wer	e insi	ge,	
	wind	snield of	the c	ar he w	as dr	iving				WIDOTN TOT AND	/c									
										VIRGIN ISLANI	лэ 		NO R	EPORT I	KECE	1 AED				
1				-																

AUGUST 1977 ESTIMATED[†] DAMAGE NO. OF PERSONS NO. OF PERSONS ESTIMATED! DAMAGE TIME - LOCAL STANDARD PATH TIME - LOCAL STANDARD WIDTH OF PAT (YARDS) WIDTH OF PAT (YARDS) CHARACTER CHARACTER LENGTH OF 1 ES OF PLACE PLACE PROPERTY PROPERTY LENGTH (MILE STORM STORM NJURED KILLED KILLED CROPS DATE DATE CROPS WASHINGTON NO REPORT RECEIVED WISCONSIN (continued) Vernon County N16H7 0 0 ? ? Hail Vironua. WEST VIRGINIA High wind Early Rock County Berkeley County 8th 1 PM 0 0 0 0 4 0 morning rms moved the 60 kts at Ma c downed tree d through Berkeley Cour at Martinsburg Airport trees and power lines County with winds Janesville police repor a result of high winds. nd powerlines down as gusting to confined to 13 1:00 p 1 0 Lightning Fond du Lac County 0 Ha11 Wayne County n n 0 12+H Aftn Golfball sized hail was r A man was killed by lightning while standing under a Logan, Boone & Mingo Counties Dodge County 13 2:00 p 0 0 Tornado 0 0 0 6. 0 0 14tH days Rainfall up to 5 inches caused widespread flooding in these counties. A Red Cross survey showed 10 homes were lost; 22 homes sustained major damage, with #32 homes sustaining minor damage. Eight mobile homes were destroyed with 38 receiving damage. Minor damage was reported to 22 small businesses and to 4 apartment buildings. Flood damage to roads was estimated at \$1.5 millior with another \$700,000 in damage to foot bridges, or han roads and private bridges. A ternado damaged roofs, outbuildings and along a path between Reeseville and Leban t several farms Waukesha County 13 2:43 p Funnel clouds Police reported a funnel clous over Lake Nagawicka, the inte section of Brookfield and Capitol Drive and over the town of 13 Milwaukee County 3:07 n Funnel cloude mel clouds were reported at 1-894 and Layton Juneau Avenues in the Milwankee Metro area. -894 and Layton WISCONSIN 21 0 0 5 0 Rock County Evening Lightning 3:20 p ۵ Sauk County 0 ? ? Hail clated fire destr Golfball sized hail was reported by the public at both Lavelle and at the intersection of U.S. 12 and Wis. 33 north of Baraboo. A 2-inch hail report was received from near Lone Rock. 10:00 a 0 0 Washburn County Hail described as "larger than of Spooner. Hail colfballs' ported 2 miles 3:35 p 0 Green Lake and 1800 0 ? Hail ond du Lac counties A hallstorm developed near Green Lake in eastern Green Lake county and moved eastward to Ripon in Fond du Lac county. Hall which averaged golfball size reportedly damaged coofs, cars and crops. High winds ous tree s were reported down with p as a result of high winds. ges across much of the county 4:45 p ٥5 2 NE Dodge and southern Fond du Lac counties 0 С Hail Thunderstorms accompanied by gdlfball size hail fligh wind and high winds moved from Londra and Dodge county to Eden and Ashford townships in Fond du Lea county. At Lombra 2000 windows were broken and a car dealership sustained losses in excess of \$100,000. Several farms northwest of Ashford reported root, #dding and crop damage from a bight wind and held combination. In guard Racine County ٥ 28 1:55 p 6 1 ? Thunderstorm The first reports of damaging winds came from the Mount Pleasant and Sturtevant ares, southwest of Radine. A church steeple was blown over and a gatage and part of the roof of a home were destroyed. The storm then passed over North Radine where it downed trees and power lines. One person was injured by flying glass when at a tavern in downton Radine. damage from a high wind and hall combination. In tural Campbellsport, a father and sod were injured when the storage shed collapsed on them during high winds. 0 NE Dane County Hail Langlade County Baseball size hail was reported by the public 2 miles Thunderstorm Wind 6:20 p SW Jefferson County ging winds blew roofs from buildings on was injured by flying glass. Police reported a ο£ Hort Atkinson. Eau Claire 31 0 1 0 1 Columbia County morning 0 0 Lightning A severe thunderstork moved thru Eau Claire. Wind gusts were estimated around 80 mph. Small pircyaft were filipped over and damage was reported to several homes and to four mobile homes. Two persons were injured by flying debris. .l11 spi after being struck by lightning Jefferson County Thunderstorm Maratho 45 1000 0 10 .6 On the evening of August 31 a devastating tornado "spun out" a
45 mile path of destruction across Marathon County. The first
sightings of the fundel came from 7 miles southwest of Fenwood.
The funnel base was described as reaching tree top levels as it
downed barns in the area. The maxt sightings were near Marathon
City where more barns were sestryed and extensive damage to
Ginseng (root) crops. The funnels first touch-down was in the
town of Rib Mountain at 7:40 p where 15 hones were demolished and
30 others severely damaged. The storm them moved into southwest
Waussu damaging a mill and lumber yard. As the funnel moved across
the southern end of Yausau, local observers described it as
"damding" at tree top levels. This form them moved out of the Wausau City limits and touched down on McIntosh
Street. The funnel then lifted and moved eastward touching down
for a final time on Linden Street. Barns and sheds were destroyed
on Linden. The funnel reportedly lifted and dissipated after its
Linden. Street touch down, seavy damage occurred on 20th Street. Police reported trees and line from high dinds during nderstorms Milwaukee County 3:15 p 0 0 ? 0 Tornado Funnel clouds A tornado touched down briefly in the city of Milwaukee at 38th and Hadley and also on North 76th Street. Trees were uprooted near the touch-down points and two homes and six cars received damage. Funnel clouds were also reported over the University of Wisconsin campus, 8th and North Avenue and at Oakland and Edgewood. 3:50 p Ozaukee County Funnel clouds 0 1 Evening ? 3 Tornado a cduple's cat encountered a tornado on Highway SS North of Eau Claire. One person refeived minor injuries. The windows of the car were blown but with and the succes interior was reportedly filled with debris. In addition, the car's exterior was "sand blasted," Damage occurred to 60 farms for an estimated loss of \$1,036,000. In Wausau business losses were pit at \$300,000, automobile damage at \$78,000 and damaged homes at \$1,570,000. Total losses in Warathon County were estimated in excess of \$3,500,000. SE Brown County Day Thunderstorm Trees were do d during high winds in WYOMING NO REPORT RECEIVED thunderstorm activity,



AUGUST 1977

	: 1	CAL	РАТН	F		OF SONS	ESTIM/ DAM					CAL	ATH	Ŧ		OF SONS	ESTIM DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
IOWA					<u> </u>					IOWA (continued))				 	 		·	
Solon. Johnson County	Pi	6:00 A lot report ving east,	ed fun	nel clo	ud to	Ceda	r Rapi	ds •FAA	Funnel Cloud Tower. Funnel was	Iowa City Johnson County	Torn	11:12 P	1/2 d down	. 60 at Moo	O re Bu	0 sines	5 s Form	s buil	Tornado (Heavy Rai (Lightning) ding doing exten-
5 NE Oelwein Fayette County	2 Rad app		n KOEL y 5 min	report	ed fu efore	nnel díss	cloud ipatin	moving	Funnel Cloud SE. Funnel lasted		sive Torn dama	damage to do lifted	the b and d and li	uilding Issipat ghtning	and ed. stru	cars Heavy	parked rains	close cause	to the building. d flash flooding, barn. 70% Tornado
Holy Cross Dubuque County	2 Fu	12:48 P mel cloud	brief.	ly came	out	of cl	ouds,	them d	Funnel Cloud issipated.	West Union Fayette County	15 Heav ment							rgrou	Rain ds and many base-
3 Mile S of Granger to Johnston Polk County	Fi	3:15-3:20 st sighte before di	4 3 m1:					rved a	Funnel Cloud t Airport, 10 Mile	Zearing area Story County	15	?			0	0	4	4	re washed out. Thunderstorm (Rain (Hail)
Northern Half of Benton County		4:00-8:00 il damaged		Heav	0 y rai	0 n was	5 hed ou	5 brid	Thunderstorms (Hail)Heavy Rain ges and bridge	,	plan		ek. H	ail bad					damaged fertilize n and grain crops
Cedar Rapids Linn County		proaches; 5:00-8:30	1	basem	ents.	Hai O	l dama	ge 60% 6	7 40% heavy rain.	Marshalltown Marshall County	Heav	12:30 A rains ca its Mobile						its t	Thunderstorm (Rain anks flooding Debrated.
Drin county	Fr: and sto Sto	ied Chicke i shattere orm sewers cong winds	d green floor uproo	il as la house. ded bas ted tre	arge Hea ement es fa	as ba vy ra s and ling	seball in flo facto on ho	s dent oded s ries, use an	(Hail) (Wind) (Rain) hdow at Kentucky ed sides of houses treets, backed up washed out bridges. d breaking power	Wilton Muscatine County	Exte move seve	school b	us 3 f Sto	eet, th	en to d fro	ok ro n SW	of off to NE.	on, sl house One	Tornado ipped along path, and damaged man injured by
Manchester Delaware County	7	nes. 20% B:00 P			0	4	4	a	Severe Thunderstorm	Anamosa Jones County	Ligh	4:30 P ning stru- damage.	ck hou	se sett	0 ing 1	O at imm	4 ediate		Lightning aze causing exten-
	gro liv	unds on to	a con	cession on barn	sta swer	d tr	apping o dama	four ged as	ware County Fair- persons inside. Two well as several	Hedrick Keokuk County	Ligh	3:00 A ning stru bushels o	ck cor	n crib	0 destr	0 pying	4 tract		Lightning xermill, buildings
lN Oskaloosa Mahaska County	7	1015P sted by S		i	Ì				Funnel	Much of Warren County	25- 26	11:30P- 2:00 A			0 caus	0 ed Ri	4 vers t		Thunderstorm (Rain Lightning) flow flooding farm
Buck Creek Delaware County	Li	1230A ghtning st						0 which	Thunderstorm (Light- ning) started house on		land								
Titonka Area		12:00 N],	0	4	0		NORTH CAROLI	l			10					
Kossuth County	Str		lines	ed seve	eral	arm 1		gs, u	Thunderstorm(Wind) prooted trees which	Bladen County		3:30P ong winds Tar Heel							
Webster City area Hamilton County	Ha11	3:00 P ? destroyed homes and	many churc	corn an	0 nd so	0 bean	3 field:	5 . Ha	Thunderstorm (Hail) il broke windows in	Iredell County	nea	Route 87 os, estima Aftn	. The	re was	damag	e to			
Intersection of High- way 169 and 222 Humboldt County	She	3:00 P ? riff and D le investi	eputy s	ere st	0 ruck ident	2 by 11	0 ghtnin	0 gin p	Thunderstorm (Light- ning) ouring rain storm	riedell county	A m	n, of Rou	le put	ting ga	s i.n	was his c	ar, I	e was	hit by dazed when
Onawa Monona County	Two	4:00 P mobile ho	mes ti	pped ov	0 er by power	0 wind line	4 s alon	0 g wich	Thunderstorm (Wind) trees being up-	Henderson County	7	4:00P				1			Lightning Campground on
l SE Soldier Monona County		4:00 P f touchdo			0 cou	o try.	0	0	Tornado		Nor lig	h Mills R	iver. uck ne	The wo	man w nocki	as ir	her t	are fe	
2 E Fenton Kossuth County	Lig	5:00 P ntning hit nay and so	barn ne far	engulfi: machi:	0 ng it nery.	0 in f	4 Lames,	0 killi	Lightning ng 11 calves, loss	Wilson County	15 A f	Aftn fteen yea	r old	girl wa	s inj	1 ured	by lig	htning	Lightning on Route 3,
1 Mi E Ankeny 1 Mi N Altoona Polk County	Tor:	ado touch	ng a fi	brief.	0 ly on loud	0 I 35 to 1	0 Anke Mile N	0 ny Exi orth o	Tornado , moved SE then Altoona where	Wilson County	Elm 15	Aftn Aftn	ghtnin	g hit n	eart	he gi 2	r1.		Lightning
6 S Marengo Iowa County	15 Funt	8:00 P	d 6 mi					east,	Funnel Clouds lasted 2 minutes,	Henderson & Polk		farm work ck a near 12:20P				shoo	ks Who	m ligi 1	tning Tornado
Blairstown Benton County	15 Hear	8:00 P y rains c	aused	the Lit	0 tle T	0 bunde	5 r Cree		Thunderstorm (Rain) o out of its banks	Counties	Sal	rnado ski da. Buil	pped a dings	long fro	om Sk es we	of E	dneyvi stly o	lle to Lamageo	east of
Marengo	15	8:30 P	1/4	20	0	0	4	0	Tornado	Surry County	A t	6:00P understor is and qua	n hit rter s	the nor	th si	de of	4 Mt. 4 Was r	iry wi	Hail th strong and damage to trees
Iowa Countý	bers	from shed							mobile home. Tim-	Guilford County	23	4:15P				1			Lightning in Greensboro.
Windham Johnson County	Heav	10:00 P y rains o ded home, roying ev	Jiliti:	g the	0 Inche Iouse	0 s cau off	4 sed swits fo	111100	Thunderstorm (Rain) of creek which on and virtually	Nash County		p losses f							Drought
Cedar Rapids Linn County	15 Heav	10:00 P	3 to	5 inche	0 s dan	0 naged tores	5 bridg	0 es, ba	Thunderstorm (Rain)		rec	ord-breaki greatest	ng dro	ught ha	s bee	n est	imate	at \$	million.
	15 Torn e dest	11:10 P do touche	2 d down arren were	60 1/2 mi Allen f driven	0 le we arm. into	0 st at Down walls	5 Donal	d Meie	Tornado r farm, moved . Boards from Tornado then		:								

		¥.	РАТН	r		. OF		ATED†				AL	Ŧ	I		OF		ATED†	
PLACE		- LOC ARD	片양	DF PAT			<u> </u>		CHARACTER OF	PLACE		- 1.0C	1 OF P.	DF PAT					CHARACTER OF
	DATE	TIME - LOCAL STANDARD	WILE LENGTH (WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM		DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM
		TH	ΕF	OLL	W.	IN(G AF	RE L	ATE REPOR	rs, correction)NS	S, AND	DE	LET	ION	IS:	l		
LATE REPOR	 TC																		
IDAHO			JULY	 1977						PENNSYLVANIA									
Grandview Area, Owyhee County	3	1:00 р			0	0	3	5	Hail and Rain	EASTERN Most of Eastern	6	2:30 PM	JULY	1977	n	3	6	3	Wind, Electri-
	and	barley. C	ne far	m on th	e edg	e of	Grand	lew h	amaged wheat, corn, ad 146 acres of	Pennsylvania ex- cept South Central		to 7:00 PM	1		U	3			cal, Heavy Rain, Hail
	was		Heavy	rains f	loode	d Hi	dhway 1		siding on a house t of Grandview dam-	Mountains, Ex- treme Lower Sus- quehanna and Ex-	Li.	EDT	11575	+h +	hund	anet			tod and blauman
Murtaugh Area,						14, 14,				treme Southeast	man One	y trees, garage	dama was c	ged bu omplet	ildi ely	ngs dest	and d royed	bwned and	ted and blewover utility lines. a patio roof
Twin Falls County	1	Afternoon			0	0	0	5	Hail		and	shed we p in Sul	re de Livan	stroye Count	d at y ha	ano d sa	ther ilboa	locat ts da	ion. A summer maged and ex-
 - -	1		rea.	Hails to	nes I	t in	ches i	diame	ops on numerous ter were measured.		dam	sive dam aged aut ikes wer	o mobi	les an	d bu	ildi	ngs.	Many	Falling trees lightning buildings and
Twin Falls, Power, Bannock, and Bingham Counties	8	Afternoon			0	0	4	°	Wind		uti wer	lity lin e starte	es an d wit	l star 1 two	ting hous	fir es a	es. nd on	At le e bar	ast 12 fires n destroyed.The
Countries	root	ed trees a	nd dam	laged po	wer 1	ines	at sca	ttere	s broke and up- locations. Winds		ove	r 20,000	cust	bmers	and	tele	bhone	outa	er outages to ges to over reported was 54
	Fall	s a caran	d mobi	le home	were	dama	aged by	a fai	ounty. At Twin lling tree. A gham County.		MPH thr	at Mont ee peopl	oursv e as	ille. well a	The s ki	lig llin	htnin g 16	g str cows.	ikes injured Rainfall which
Lemhi and Caribou	9	Afternoon	LOWEI	was cop	0	0	5	0	Lightning		and	washout	as w	ell as	was	hing	debr	is on	badway flooding roads. Hail p one-half inch
Counties									ounty that were		dia	meter in a of Lan	Snyd caste	er Cou r Coun	nty. ty h	In ail,	the up to	Rich1 one	and-Myerstown and one-quarter
	burn	ed 100 acr air tank	es and	requir	ed th	e use	of 30	d0 men.	Caribou County 5 helicopters,		pat		wind,	rain	and	hail	caus		s on a mile long op damage with
Pocatello, Bannock County	1	Morning			0	0	4	0	Wind	Monroetown, Brad-		2:15 PM		40	0	0	4	0	Tornado FPP 111
country	Gus t aged	winds as power lin	sociat es and	ed with buildi	a th	undei	storm	uproot	ed trees and dam-	ford County	Th. 6	EDT	!						
Grangeville Area, Idaho County	20	6:15 a.			0	٥	3	0	Lightning		fen	e, twist	ted of	f tree	s ar	numi	cked	the i	e, tore up some ront window out le witnessed
radio codicy	Seve of G	cattle w angeville	ere ki	lled by	a bo	lt of	light	ning c	ne-half mile north		the	funnel. vas a "c	0ne	of the	m wa	s a	scie	ce te	acher who said
Lemhi County	20-				0		4		Lightning	Canton, Bradford County	6	2:30 PM EDT	1	30	0	0	3	0	Tornado FPP 111
	23										The	tornado a fenc	remo	red a	atio	roc shed	of, mo	ved a	car six feet ted trees.Some O yards away.
	Nati		t but						n the Salmon or after burning		o f	the debr	s was	wrap	ed a	rou	id tr	es 1	0 yards away.
Power County	24	Afternoon		:	0	0	0	4	Hail	Susquehanna River Valley from Mary=	12	4 PM to 8 PM			0	ו י	5	0	Wind, Heavy Rain, Electrical, Hail
	from	20 percer	t to r	early c					everal farms ranged Some grain and	land border to Sunbury and		EDT			4	.,.			
	beet	s were als	o hit.							Wilkes-Barre	bas	ement fl	oding	. Co	ns i de	erab	le ro	ad dar	looding and some mage resulted A few small
PENNSYLVANIA	 \										bri	dges wer hes were	repoi	ed. ted w	rec th	ipit: as m	ation uch a	amoul	nts of over 4 inches in one
EASTERN Luzerne County	5		JULY	1977	0	0	4	0	Wind,Electri-		out cau	r. many ages, da sing at	nagin least	ning buil one f	ire.	kes i s ani	ele bov	red ci ctrici was	using power al equipment and injured by a
Lazerne Gouncy		EDT							cal		lig and	ntning s utility	trike line:	. Win	l gu il t	ts th	downe ree-q	d tre	al equipment and injured by a es, tree limbs so of an inch gs, Snyder Counstorm related
	and	tree lim	os an	d almo	st d	omp1	etely	dest	y downed trees royed a green- 0 customers		ty.	There omobile	was l accid	death ents.	and	2 i	iver njuri	spring es in	storm related
	were		powe	r. Li	ghtn	ing			umber of houses	Tioga,Bradford,		2:30 PM			0	2	4	0	Wind,Electrical
Lancaster, and	5	8PM to			0	0	4	0	Wind, Hail	Columbia, North- umberland, Union,		to 5:00 PM				_			
Berks Counties		9PM EDT								Snyder and Mon- tour Counties	Thu	nderstor v trees	m wind	d gust	s ca mbs	used down	cons Th	idera e fal	ole damage with ling trees and
	tree	limbs d	ownin	g powe	r li	nes	and d	isrup	ned trees and ting service to re a tar roof		lim	bs damag n many u	ed ho tilit	uses a / line	nda: san	utom i bl	obile: ocked	s and road	also pulled s. Over 10,000
	off auto	a manufa mobiles	cturi and t	ng pla ook th	nt, e po	topp rch	led s roof	igns off a	and trees on to nursing home.		cus	tomers 1	ost p	ower.	At	leas	t two	hous	es sustained r and destroyed s on their foun-
1	Hail Alth	up to 1 ough num	inch erous	diame light	ter	fell	in t	he Ep	hrata area. reported, only		dat wit	ion. Tw hone de	o tra stroy	vel tr ed and	aile one	rs w dam	ere c aged.	arrie Lig	by the wind
		r damage	0000	cu.							jur	sed dama ed two p ated aut	ge an cople	dat 1 . Thr	east ee p	one eopl	fire e wer	, als e inj	slightly in- ured in a storm-
Berwick, Columbia County and Nes-	5	7 PM EDT			1	0	4	2	Wind,Electrical	0.51.50	l ,								
copeck,Luzerne County	dama	ged buil	dings	. 0ve	r 3,	000	custo	mers	tree limbs and had power out-	Cumberland, York, Adams and Franklin Counties		4 PM to 6 PM			0	0	4	0	Wind,electrical Heavy rain
	ages	. Falli strikes	ng tr adde	ees da d to t	mage	đ ca	rs an	d bui	ldings. Light- nd one man was		ļ [']	EDT							
	V T T T	ed by li	P11.011.1	11 8 •							and	utility	line	s. At	lea:	st 4	500 c	ustom	es, tree limbs ers lost power. o 60 MPH were
				ĺ							bu1	dings a	nd ut	iiity	inne	s an	d cau	sed a	o 60 MPH were ikes damaged t least 4 fires.
ı	İ	i i	ļ								неа	y rain	cause	cons	ıaer	DIE	road	way f	luoaing.

		CAL	PATH	E		. OF		ATED†				CAL	АТН	Ŧ		OF SONS		ATED!				
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM			
LATE REPOR PENNSYLVANIA EASTERN Franklin, Blair, Juniata, Bedford, Luzerne, Snyder, Dauphin, Columbia, Lehigh, Northampton Bucks, Carbon, Berks and Montgomery Counties	19- 20 Head 5 in uced des fars in odd dam	2:30PM to 2 AM to 2 AM EDT vy rains flash finconsi troying m wagons w were 1 and mud trop dam utility	acco loodi prec inch deruse and ost. slid age. arns	ng in ipitat es in le cro s, mob farm m There es. H Wind s and ho	Bedf ion Blai p da ile achi achi auses dama uses	brd, fello rage home con acco ged wit	Blair in B unty. as wt s, ot sider mpany wned many h one	rms c and edfor The ell a her b equip able ing t trees build mobi	Wind, heavy rain, alectrical, hail aused flooding Juniata. Up to d County and as flooding results damaging or uildings, barns, ment. 30 cattle roadway floodhe rain added, tree limbs ings. There was le home filped poted, some fall.	LATE REPO WYOMING Park County Park County Laramie County	Hail Hail 20 som	Afternoon up to 1 Powell and cars. Afternoon up to 1 main and e damage t 5:00 p 6:00 p 1 up to 3, mules SE te damage t	inch f exten inch Powell o buil h inch o near	fell ov Most dings a	o o to to to to to can	d. ! 0 3 x ! ge we rs. 0 mild	°6 9 mile as to 5 es wid dama	c area i irrigat	Hail arting just south as to buildings Hail etween Heart ed crops with Hail ing NE of Cheyenne held crops with Hail 6 miles N of			
Franklin, Hunt- ingdon, Centre, Bradford and	ing one a s als of wit	on buil automob ailboat o many l fires.	dings ile. and d ightn Two b	and a In Bu rowned ing st arns w	utom cks in rike ere	bbil Coun the s ca dest	es wi ty a chopp using royed	tha man w y wat dama by 1	woman killed in as blown from er. There were ge and a number ightning fires	Douglas	Pow son 28 Hai	ell SE for e damage t Early Morning	ten mo buil	dings a	Most nd ca 0 er a ing a	damag rs. 0 wide	e was	to ir: C starti: Most	rigated crops with Hail mg on the south damage was to			
Schuylkill Countie	Thu dam fir inj to	PM EDT inderstor age in a es that iured one	few destr man. and b plant	counti oyed o Wind lew a	d ov es. ne b	Lig arn ts b	htnin and o lew a	g str ne mo larg	Electrical,wind nsylvania caused ikes caused bile home and e tree over on roof from a man-	of Includes crop damage. C Crop damage. Miles instead of yards.												
WISCONSIN Baraboo, Sauk Co. Lake Mills, Jefferson	60	6:34p severe thumph winds 7:30p	nderst	1977 orm hit	0 Bara	0 500 a	? nd pro	0 duced 0	Thunderstorms High Winds Thunderstorms	7 \$5 Milli 8 \$50 Mill	to \$5 on to ion to lion	500,000 5 Million 5 \$50 Mill: 50 \$500 Mill: 50 \$5 Bill	ion llion lion	at info	rmatí	on on	gtorm	s hut	due			
Co. Waukesha, Waukesha Co	end por	were thundd produced wer lines 8:15p	80 mp in the	area.	whic	h dow	ned so	ne tre	Funnel cloud	to the difficulties all-inclusive. Lat following receipt o SUBSCRIPTION PRICE: 30c single copy. M send payments and o	inhe e Rep f the \$3. ake o	erent in control and (ese data. 60 a year checks pay	ollecti Correct ; \$4.80 able to	ion of stions with a district of the control of the	the ty ill be	ype o e car for of C	f data ried i foreig	n the n mail	s not month ing; A;			
Kenosha Co.	ju: 8 Two pho	tunnel closest west of 1:20p funnel closest of the control of th	Wauke louds by an	side by	0 side	0 were	? obser near	0 ved an	Funnel Clouds	Asheville, NC 2880	1. 4			ons. AA-ASH	EVIL	LE,	N.C.	1977-	1700			
Kenosha Co. Lone Rock, Richland Co.	16	1:30p e inch hai 9:45p funnel clo			0	0	0	0	Funnel Cloud													
Lancaster-Fennimore Grant Co.	16 Nut	10:00p nerous tree wn in Lanc- inds in the	es and	power :	0 lines	0 were	4 repor	0 ced	Thunderstorms High Winds													
Thorp, Clark Co.	11	10:00p uph winds Thorp.	in he	svy thu	0 ders	0 torms	downe	0 d tree														
Middleton, Dane Co.	24 Str of	4 inch hai 6:15p ong winds Eau Claire many limb	during	a thun	d st O derst	Middl 0 orm 1	aton v	est of	Thunderstorm High Winds side													

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